

**Table 4B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Page: 1  
Run Date: 03/31/2014

**Comparison of Racial and Ethnic Distribution by County**  
**Children Aged < 5 Years** (2)

| Comparison of Racial and Ethnic Distribution |                                   |                                 |                                 |                   |  |                                    |                            |                               |
|--|-----------------------------------|---------------------------------|---------------------------------|-------------------|--|------------------------------------|----------------------------|-------------------------------|
| County                                       | Number<br>Included in<br>Analysis | White, Not<br>Hispanic<br><br>% | Black, Not<br>Hispanic<br><br>% | Hispanic<br><br>% | American<br>Indian/Alaska<br>Native<br>% | Asian/Pacific<br>Islander<br><br>% | Multiple<br>Races<br><br>% | All<br>Other/Unknown<br><br>% |
| Alcona                                       | 188                               | 93.6                            | 0.0                             | 2.7               | 0.5                                      | 0.0                                | 3.2                        | 0.0                           |
| Alger  | 172                               | 82.6                            | 0.0                             | 0.6               | 3.5                                      | 0.6                                | 12.8                       | 0.0                           |
| Allegan                                      | 6,670                             | 53.4                            | 2.9                             | 36.5              | 0.0                                      | 1.7                                | 5.4                        | 0.1                           |
| Alpena                                       | 771                               | 91.3                            | 0.5                             | 2.1               | 0.0                                      | 0.1                                | 6.0                        | 0.0                           |
| Antrim                                       | 581                               | 91.2                            | 0.0                             | 3.4               | 0.2                                      | 0.0                                | 5.0                        | 0.2                           |
| Arenac                                       | 475                               | 92.2                            | 0.0                             | 3.2               | 0.0                                      | 0.0                                | 4.6                        | 0.0                           |
| Baraga                                       | 289                               | 44.3                            | 0.0                             | 1.7               | 45.0                                     | 0.0                                | 9.0                        | 0.0                           |
| Barry  | 1,416                             | 90.3                            | 0.6                             | 4.4               | 0.0                                      | 0.1                                | 4.4                        | 0.1                           |
| Bay  | 2,785                             | 70.4                            | 1.9                             | 15.9              | 0.0                                      | 0.1                                | 11.6                       | 0.1                           |
| Benzie                                       | 402                               | 86.3                            | 0.2                             | 6.2               | 0.0                                      | 0.0                                | 7.0                        | 0.2                           |
| Berrien                                      | 4,227                             | 45.1                            | 38.9                            | 6.4               | 0.2                                      | 0.7                                | 8.6                        | 0.1                           |
| Branch                                       | 1,707                             | 78.6                            | 0.2                             | 16.6              | 0.1                                      | 0.0                                | 4.5                        | 0.0                           |
| Calhoun                                      | 4,878                             | 51.0                            | 19.4                            | 11.2              | 0.0                                      | 4.4                                | 14.0                       | 0.1                           |
| Cass   | 1,945                             | 52.6                            | 6.2                             | 31.7              | 0.2                                      | 0.6                                | 8.0                        | 0.7                           |
| Charlevoix                                   | 725                               | 85.8                            | 0.1                             | 3.7               | 0.3                                      | 0.3                                | 9.8                        | 0.0                           |
| Cheboygan                                    | 585                               | 82.2                            | 0.5                             | 1.9               | 0.7                                      | 0.3                                | 14.4                       | 0.0                           |
| Chippewa                                     | 1,160                             | 48.4                            | 0.5                             | 3.5               | 14.8                                     | 0.4                                | 32.2                       | 0.1                           |

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**Comparison of Racial and Ethnic Distribution by County**  
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| Comparison of Racial and Ethnic Distribution |                                   |                                 |                                 |                   |  |                                    |                            |                               |
|--|-----------------------------------|---------------------------------|---------------------------------|-------------------|--|------------------------------------|----------------------------|-------------------------------|
| County                                       | Number<br>Included in<br>Analysis | White, Not<br>Hispanic<br><br>% | Black, Not<br>Hispanic<br><br>% | Hispanic<br><br>% | American<br>Indian/Alaska<br>Native<br><br>% | Asian/Pacific<br>Islander<br><br>% | Multiple<br>Races<br><br>% | All<br>Other/Unknown<br><br>% |
| Clare  | 996                               | 86.5                            | 0.1                             | 6.5               | 0.2  | 0.6                                | 5.9                        | 0.1                           |
| Clinton                                      | 1,070                             | 80.8                            | 2.0                             | 12.1              | 0.1  | 0.4                                | 4.7                        | 0.0                           |
| Crawford                                     | 363                               | 92.6                            | 0.0                             | 0.8               | 0.0  | 0.0                                | 6.6                        | 0.0                           |
| Delta  | 1,122                             | 82.4                            | 0.1                             | 3.4               | 0.9  | 0.0                                | 13.0                       | 0.2                           |
| Dickinson                                    | 698                               | 86.2                            | 0.1                             | 3.9               | 0.0  | 0.4                                | 9.2                        | 0.1                           |
| Eaton  | 1,706                             | 78.2                            | 4.3                             | 8.5               | 0.0  | 0.9                                | 8.0                        | 0.1                           |
| Emmet  | 836                               | 84.0                            | 0.6                             | 2.8               | 1.7  | 1.2                                | 9.7                        | 0.1                           |
| Genesee                                      | 11,186                            | 45.6                            | 38.5                            | 6.2               | 0.1  | 0.3                                | 9.4                        | 0.0                           |
| Gladwin                                      | 732                               | 96.3                            | 0.0                             | 2.2               | 0.1  | 0.0                                | 1.4                        | 0.0                           |
| Gogebic                                      | 387                               | 79.1                            | 0.0                             | 2.8               | 11.4   | 0.0                                | 6.2                        | 0.5                           |
| Gr Travers                                   | 2,094                             | 84.8                            | 0.8                             | 7.0               | 0.5  | 0.2                                | 6.6                        | 0.1                           |
| Gratiot                                      | 1,213                             | 79.7                            | 0.2                             | 17.6              | 0.0  | 0.1                                | 2.4                        | 0.0                           |
| Hillsdale                                    | 1,360                             | 89.4                            | 0.2                             | 5.1               | 0.1  | 0.1                                | 5.1                        | 0.0                           |
| Houghton                                     | 930                               | 87.0                            | 0.9                             | 3.1               | 0.0  | 1.8                                | 7.2                        | 0.0                           |
| Huron  | 884                               | 91.5                            | 0.3                             | 5.2               | 0.2  | 0.0                                | 2.7                        | 0.0                           |
| Ingham                                       | 7,275                             | 36.4                            | 25.4                            | 20.2              | 0.1  | 4.8                                | 13.0                       | 0.1                           |
| Ionia  | 1,924                             | 81.1                            | 0.3                             | 14.3              | 0.1  | 0.1                                | 4.2                        | 0.0                           |

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Page: 3  
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**Comparison of Racial and Ethnic Distribution by County**  
**Children Aged < 5 Years** (2)

| Comparison of Racial and Ethnic Distribution |                                   |                                 |                                 |                   |  |                                    |                            |                               |
|--|-----------------------------------|---------------------------------|---------------------------------|-------------------|--|------------------------------------|----------------------------|-------------------------------|
| County                                       | Number<br>Included in<br>Analysis | White, Not<br>Hispanic<br><br>% | Black, Not<br>Hispanic<br><br>% | Hispanic<br><br>% | American<br>Indian/Alaska<br>Native<br>% | Asian/Pacific<br>Islander<br><br>% | Multiple<br>Races<br><br>% | All<br>Other/Unknown<br><br>% |
| Iosco  | 658                               | 91.8                            | 0.5                             | 2.9               | 0.2                                      | 0.0                                | 4.7                        | 0.0                           |
| Iron   | 336                               | 94.0                            | 0.0                             | 1.8               | 0.0                                      | 0.0                                | 4.2                        | 0.0                           |
| Isabella                                     | 1,529                             | 80.0                            | 3.7                             | 4.9               | 1.4                                      | 0.9                                | 9.0                        | 0.1                           |
| Jackson                                      | 5,061                             | 62.6                            | 12.4                            | 9.1               | 0.1                                      | 0.3                                | 15.5                       | 0.0                           |
| Kalamazoo                                    | 6,940                             | 42.9                            | 30.6                            | 12.9              | 0.1                                      | 0.7                                | 12.8                       | 0.0                           |
| Kalkaska                                     | 528                               | 91.3                            | 0.4                             | 3.2               | 0.0                                      | 0.2                                | 4.9                        | 0.0                           |
| Kent   | 20,477                            | 33.1                            | 20.3                            | 34.3              | 0.0                                      | 2.6                                | 9.7                        | 0.1                           |
| Lake   | 322                               | 67.1                            | 10.9                            | 5.0               | 0.0                                      | 0.0                                | 17.1                       | 0.0                           |
| Lapeer                                       | 2,282                             | 74.6                            | 0.4                             | 18.4              | 0.0                                      | 0.0                                | 6.5                        | 0.1                           |
| Leelanau                                     | 258                               | 49.6                            | 0.8                             | 34.9              | 6.2                                      | 0.0                                | 8.5                        | 0.0                           |
| Lenawee                                      | 2,253                             | 67.2                            | 1.3                             | 24.2              | 0.0                                      | 0.0                                | 7.1                        | 0.0                           |
| Livingston                                   | 2,086                             | 88.8                            | 0.6                             | 5.0               | 0.1                                      | 0.5                                | 5.0                        | 0.0                           |
| Luce   | 258                               | 80.2                            | 0.0                             | 0.8               | 1.2                                      | 0.0                                | 17.8                       | 0.0                           |
| Mackinac                                     | 198                               | 41.4                            | 0.5                             | 2.0               | 1.0                                      | 0.0                                | 55.1                       | 0.0                           |
| Macomb                                       | 13,993                            | 57.9                            | 21.7                            | 6.0               | 0.0                                      | 4.3                                | 10.0                       | 0.0                           |
| Manistee                                     | 521                               | 75.4                            | 0.2                             | 10.2              | 0.0                                      | 0.0                                | 14.2                       | 0.0                           |
| Marquette                                    | 1,356                             | 80.7                            | 0.6                             | 4.4               | 0.3                                      | 0.1                                | 13.9                       | 0.1                           |

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Page: 4  
Run Date: 03/31/2014

**Comparison of Racial and Ethnic Distribution by County**  
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| Comparison of Racial and Ethnic Distribution |                                   |                                 |                                 |                   |  |                                    |                            |                               |
|--|-----------------------------------|---------------------------------|---------------------------------|-------------------|--|------------------------------------|----------------------------|-------------------------------|
| County                                       | Number<br>Included in<br>Analysis | White, Not<br>Hispanic<br><br>% | Black, Not<br>Hispanic<br><br>% | Hispanic<br><br>% | American<br>Indian/Alaska<br>Native<br>% | Asian/Pacific<br>Islander<br><br>% | Multiple<br>Races<br><br>% | All<br>Other/Unknown<br><br>% |
| Mason  | 841                               | 78.1                            | 0.2                             | 15.3              | 0.0                                      | 0.0                                | 6.3                        | 0.0                           |
| Mecosta                                      | 1,207                             | 83.1                            | 4.0                             | 3.6               | 0.5                                      | 0.4                                | 8.1                        | 0.3                           |
| Menominee                                    | 488                               | 73.8                            | 0.2                             | 4.9               | 13.1                                     | 0.0                                | 8.0                        | 0.0                           |
| Midland                                      | 2,031                             | 87.8                            | 1.0                             | 3.7               | 0.1                                      | 0.3                                | 6.7                        | 0.2                           |
| Missaukee                                    | 359                               | 90.5                            | 0.0                             | 8.4               | 0.0                                      | 0.0                                | 1.1                        | 0.0                           |
| Monroe                                       | 3,380                             | 79.6                            | 4.3                             | 7.6               | 0.1                                      | 0.1                                | 8.1                        | 0.1                           |
| Montcalm                                     | 1,705                             | 88.4                            | 0.2                             | 7.0               | 0.1                                      | 0.2                                | 4.1                        | 0.0                           |
| Montmorenc                                   | 205                               | 95.6                            | 0.5                             | 2.4               | 0.0                                      | 0.0                                | 1.5                        | 0.0                           |
| Muskegon                                     | 6,939                             | 52.5                            | 23.6                            | 12.5              | 0.1                                      | 0.1                                | 11.2                       | 0.0                           |
| Newaygo                                      | 1,930                             | 76.0                            | 0.3                             | 20.7              | 0.0                                      | 0.0                                | 3.1                        | 0.0                           |
| Oakland                                      | 17,482                            | 43.8                            | 35.0                            | 12.7              | 0.1                                      | 2.0                                | 6.5                        | 0.0                           |
| Oceana                                       | 1,141                             | 46.5                            | 0.1                             | 49.6              | 0.0                                      | 0.0                                | 3.9                        | 0.0                           |
| Ogemaw                                       | 653                               | 91.6                            | 0.0                             | 2.9               | 0.0                                      | 0.0                                | 5.5                        | 0.0                           |
| Ontonagon                                    | 135                               | 91.9                            | 0.0                             | 2.2               | 0.7                                      | 0.0                                | 4.4                        | 0.7                           |
| Osceola                                      | 782                               | 93.0                            | 0.9                             | 1.4               | 0.1                                      | 0.0                                | 4.6                        | 0.0                           |
| Oscoda                                       | 225                               | 89.8                            | 0.0                             | 3.6               | 0.0                                      | 0.4                                | 6.2                        | 0.0                           |
| Otsego                                       | 845                               | 92.2                            | 0.5                             | 2.7               | 0.1                                      | 0.2                                | 4.3                        | 0.0                           |

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Page: 5  
Run Date: 03/31/2014

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| Comparison of Racial and Ethnic Distribution |                                   |                                 |                                 |                   |  |                                    |                            |                               |
|--|-----------------------------------|---------------------------------|---------------------------------|-------------------|--|------------------------------------|----------------------------|-------------------------------|
| County                                       | Number<br>Included in<br>Analysis | White, Not<br>Hispanic<br><br>% | Black, Not<br>Hispanic<br><br>% | Hispanic<br><br>% | American<br>Indian/Alaska<br>Native<br><br>% | Asian/Pacific<br>Islander<br><br>% | Multiple<br>Races<br><br>% | All<br>Other/Unknown<br><br>% |
| Ottawa                                       | 2,393                             | 83.2                            | 1.3                             | 9.3               | 0.1  | 0.6                                | 5.5                        | 0.0                           |
| Presque Is                                   | 239                               | 88.7                            | 0.0                             | 2.9               | 0.0  | 0.0                                | 8.4                        | 0.0                           |
| Roscommon                                    | 614                               | 89.6                            | 0.0                             | 3.3               | 0.2  | 0.0                                | 7.0                        | 0.0                           |
| Saginaw                                      | 6,790                             | 36.7                            | 38.5                            | 17.9              | 0.0  | 0.3                                | 6.5                        | 0.1                           |
| Sanilac                                      | 1,052                             | 88.3                            | 0.0                             | 8.3               | 0.0  | 0.0                                | 3.4                        | 0.0                           |
| Schoolcraf                                   | 287                               | 66.9                            | 0.3                             | 1.0               | 4.9  | 0.7                                | 26.1                       | 0.0                           |
| Shiawassee                                   | 1,935                             | 86.4                            | 0.4                             | 7.0               | 0.0  | 0.2                                | 6.0                        | 0.1                           |
| St Clair                                     | 3,685                             | 74.7                            | 4.7                             | 8.1               | 0.1  | 0.2                                | 12.3                       | 0.1                           |
| St Joseph                                    | 2,430                             | 67.8                            | 3.9                             | 20.8              | 0.0  | 0.1                                | 7.3                        | 0.0                           |
| Tuscola                                      | 1,564                             | 86.6                            | 1.0                             | 8.2               | 0.1  | 0.0                                | 4.2                        | 0.0                           |
| Van Buren                                    | 2,862                             | 55.8                            | 4.2                             | 33.9              | 0.1  | 0.0                                | 5.5                        | 0.5                           |
| Washtenaw                                    | 5,604                             | 33.3                            | 37.4                            | 12.5              | 0.2  | 4.1                                | 12.4                       | 0.1                           |
| Wayne  | 62,639                            | 26.4                            | 55.5                            | 11.7              | 0.0  | 2.0                                | 4.3                        | 0.0                           |
| Wexford                                      | 1,431                             | 90.4                            | 0.2                             | 4.1               | 0.0  | 0.1                                | 4.8                        | 0.3                           |
| Michigan                                     | 257,024                           | 50.4                            | 26.2                            | 13.7              | 0.3  | 1.6                                | 7.8                        | 0.1                           |
| Nation (Prior Year)                          | 562,982                           | 51.4                            | 21.4                            | 18.0              | 0.5  | 2.3                                | 6.4                        | 0.0                           |

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**Comparison of Age Distribution by County**  
**Children Aged < 5 Years** (2)

Page: 6  
Run Date: 03/31/2014

| <b>Comparison of Age Distribution</b> |                                |                    |                     |                     |
|---------------------------------------|--------------------------------|--------------------|---------------------|---------------------|
| County                                | Number Included<br>in Analysis | 0 - 11 Months<br>% | 12 - 23 Months<br>% | 24 - 59 Months<br>% |
| Alcona                                | 188                            | 28.2               | 25.0                | 52.1                |
| Alger                                 | 172                            | 29.1               | 22.7                | 52.3                |
| Allegan                               | 6,670                          | 29.2               | 25.2                | 48.5                |
| Alpena                                | 771                            | 29.3               | 26.3                | 47.6                |
| Antrim                                | 581                            | 31.0               | 20.5                | 50.9                |
| Arenac                                | 475                            | 25.7               | 29.5                | 48.0                |
| Baraga                                | 289                            | 32.2               | 23.5                | 46.4                |
| Barry                                 | 1,416                          | 31.6               | 24.4                | 47.0                |
| Bay                                   | 2,785                          | 28.9               | 27.4                | 47.5                |
| Benzie                                | 402                            | 28.1               | 23.6                | 50.2                |
| Berrien                               | 4,227                          | 31.9               | 26.4                | 45.3                |
| Branch                                | 1,707                          | 28.1               | 25.5                | 48.1                |
| Calhoun                               | 4,878                          | 32.8               | 22.8                | 47.6                |
| Cass                                  | 1,945                          | 29.6               | 25.2                | 48.9                |
| Charlevoix                            | 725                            | 31.9               | 22.9                | 47.7                |
| Cheboygan                             | 585                            | 33.8               | 20.7                | 47.9                |
| Chippewa                              | 1,160                          | 30.2               | 24.9                | 48.1                |
| Clare                                 | 996                            | 28.4               | 27.8                | 48.3                |
| Clinton                               | 1,070                          | 33.4               | 26.3                | 43.5                |

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Page: 7  
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| <b>Comparison of Age Distribution</b> |                                |                    |                     |                     |
|---------------------------------------|--------------------------------|--------------------|---------------------|---------------------|
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| Crawford                              | 363                            | 26.4               | 26.7                | 50.1                |
| Delta                                 | 1,122                          | 30.7               | 25.4                | 46.5                |
| Dickinson                             | 698                            | 33.4               | 24.5                | 45.7                |
| Eaton                                 | 1,706                          | 33.9               | 25.1                | 44.4                |
| Emmet                                 | 836                            | 34.9               | 23.9                | 43.7                |
| Genesee                               | 11,186                         | 38.5               | 23.1                | 40.7                |
| Gladwin                               | 732                            | 23.6               | 26.0                | 54.9                |
| Gogebic                               | 387                            | 30.2               | 23.8                | 49.1                |
| Gr Travers                            | 2,094                          | 31.0               | 27.8                | 44.0                |
| Gratiot                               | 1,213                          | 34.4               | 21.7                | 46.8                |
| Hillsdale                             | 1,360                          | 34.2               | 22.5                | 46.3                |
| Houghton                              | 930                            | 31.4               | 24.7                | 46.2                |
| Huron                                 | 884                            | 29.8               | 24.4                | 50.2                |
| Ingham                                | 7,275                          | 34.4               | 23.8                | 44.3                |
| Ionia                                 | 1,924                          | 30.1               | 26.6                | 47.0                |
| Iosco                                 | 658                            | 39.8               | 23.6                | 40.9                |
| Iron                                  | 336                            | 27.4               | 21.7                | 53.9                |
| Isabella                              | 1,529                          | 29.9               | 25.7                | 47.7                |
| Jackson                               | 5,061                          | 31.6               | 24.5                | 46.8                |

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Page: 8  
Run Date: 03/31/2014

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| Kalamazoo                             | 6,940                          | 31.5               | 23.4                | 47.9                |
| Kalkaska                              | 528                            | 29.0               | 26.7                | 47.0                |
| Kent                                  | 20,477                         | 32.0               | 23.6                | 47.7                |
| Lake                                  | 322                            | 29.2               | 18.0                | 55.0                |
| Lapeer                                | 2,282                          | 30.8               | 26.8                | 45.1                |
| Leelanau                              | 258                            | 25.6               | 21.7                | 54.7                |
| Lenawee                               | 2,253                          | 34.4               | 25.4                | 42.5                |
| Livingston                            | 2,086                          | 33.2               | 27.0                | 42.0                |
| Luce                                  | 258                            | 28.3               | 24.0                | 53.9                |
| Mackinac                              | 198                            | 18.2               | 29.3                | 57.6                |
| Macomb                                | 13,993                         | 34.7               | 25.2                | 42.9                |
| Manistee                              | 521                            | 32.2               | 23.2                | 47.2                |
| Marquette                             | 1,356                          | 30.2               | 24.9                | 46.9                |
| Mason                                 | 841                            | 30.2               | 23.5                | 48.4                |
| Mecosta                               | 1,207                          | 32.4               | 24.9                | 45.5                |
| Menominee                             | 488                            | 29.9               | 27.0                | 47.3                |
| Midland                               | 2,031                          | 31.6               | 23.8                | 48.2                |
| Missaukee                             | 359                            | 34.5               | 19.5                | 47.1                |
| Monroe                                | 3,380                          | 33.5               | 25.0                | 45.3                |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
\* Percentages are not calculated if < 100 records are available for analysis after exclusions.



**Table 5B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Age Distribution by County**  
**Children Aged < 5 Years** (2)

Page: 9  
Run Date: 03/31/2014

| <b>Comparison of Age Distribution</b> |                                |                    |                     |                     |
|---------------------------------------|--------------------------------|--------------------|---------------------|---------------------|
| County                                | Number Included<br>in Analysis | 0 - 11 Months<br>% | 12 - 23 Months<br>% | 24 - 59 Months<br>% |
| Montcalm                              | 1,705                          | 34.2               | 25.6                | 43.9                |
| Montmorenc                            | 205                            | 32.2               | 23.4                | 48.3                |
| Muskegon                              | 6,939                          | 30.4               | 24.9                | 47.5                |
| Newaygo                               | 1,930                          | 26.4               | 24.5                | 51.3                |
| Oakland                               | 17,482                         | 38.4               | 21.7                | 42.4                |
| Oceana                                | 1,141                          | 25.4               | 24.6                | 53.3                |
| Ogemaw                                | 653                            | 34.5               | 23.1                | 45.6                |
| Ontonagon                             | 135                            | 21.5               | 24.4                | 54.1                |
| Osceola                               | 782                            | 28.5               | 25.1                | 49.6                |
| Oscoda                                | 225                            | 34.7               | 23.6                | 44.9                |
| Otsego                                | 845                            | 30.9               | 24.5                | 47.7                |
| Ottawa                                | 2,393                          | 28.5               | 25.9                | 48.0                |
| Presque Is                            | 239                            | 31.4               | 22.6                | 49.4                |
| Roscommon                             | 614                            | 29.3               | 27.9                | 45.8                |
| Saginaw                               | 6,790                          | 32.8               | 23.1                | 46.9                |
| Sanilac                               | 1,052                          | 30.5               | 24.4                | 48.1                |
| Schoolcraf                            | 287                            | 30.3               | 20.6                | 50.5                |
| Shiawassee                            | 1,935                          | 32.0               | 25.8                | 46.6                |
| St Clair                              | 3,685                          | 31.3               | 26.5                | 45.5                |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 5B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Age Distribution by County**  
**Children Aged < 5 Years** (2)

Page: 10  
Run Date: 03/31/2014

| Comparison of Age Distribution |                                |                    |                     |                     |
|--------------------------------|--------------------------------|--------------------|---------------------|---------------------|
| County                         | Number Included<br>in Analysis | 0 - 11 Months<br>% | 12 - 23 Months<br>% | 24 - 59 Months<br>% |
| St Joseph                      | 2,430                          | 32.2               | 22.2                | 48.1                |
| Tuscola                        | 1,564                          | 30.3               | 24.7                | 48.9                |
| Van Buren                      | 2,862                          | 29.1               | 24.4                | 50.4                |
| Washtenaw                      | 5,604                          | 33.5               | 24.2                | 45.1                |
| Wayne                          | 62,639                         | 35.5               | 22.9                | 44.5                |
| Wexford                        | 1,431                          | 31.3               | 24.9                | 47.3                |
| Michigan                       | 257,024                        | 33.4               | 21.0                | 45.6                |
| Nation (Prior Year)            | 562,982                        | 29.9               | 21.8                | 48.3                |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
\* Percentages are not calculated if < 100 records are available for analysis after exclusions.

**Table 6B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Growth and Anemia Indicators by County**  
**Children Aged < 5 Years** (2)

| Comparison of Growth and Anemia Indicators (3) |                  |                 |              |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|-----------------|--------------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |                 |              | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High            |              | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %<br><2500<br>g | %<br>>4000 g | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Alcona   | 34               | *               | *            | 186                     | 3.2              | 2.7   | 8.6                                 | 98     | *               | *          | 127                      | 10.2 |
| Alger  | 37               | *               | *            | 167                     | 3.6              | 0.0   | 10.8                                | 88     | *               | *          | 112                      | 1.8  |
| Allegan  | 1,394            | 7.5             | 9.0          | 6,485                   | 4.4              | 3.1   | 10.5                                | 3,106  | 16.5            | 13.8       | 4,429                    | 28.1 |
| Alpena   | 170              | 8.2             | 10.6         | 756                     | 6.7              | 1.5   | 13.4                                | 355    | 13.2            | 18.3       | 471                      | 3.4  |
| Antrim   | 107              | 6.5             | 11.2         | 569                     | 4.6              | 4.4   | 9.7                                 | 287    | 16.7            | 10.5       | 385                      | 6.2  |
| Arenac   | 86               | *               | *            | 467                     | 9.4              | 2.1   | 12.6                                | 220    | 18.6            | 13.6       | 305                      | 11.5 |
| Baraga   | 64               | *               | *            | 281                     | 8.5              | 3.6   | 12.5                                | 127    | 19.7            | 11.8       | 168                      | 15.5 |
| Barry  | 318              | 11.0            | 7.5          | 1,373                   | 4.4              | 3.9   | 9.3                                 | 638    | 16.3            | 12.5       | 939                      | 6.7  |
| Bay  | 572              | 11.0            | 9.4          | 2,728                   | 6.5              | 1.9   | 10.8                                | 1,280  | 17.4            | 14.9       | 1,864                    | 6.9  |
| Benzie   | 80               | *               | *            | 387                     | 4.4              | 5.4   | 12.7                                | 194    | 22.7            | 16.0       | 266                      | 5.6  |
| Berrien  | 1,031            | 8.9             | 7.4          | 4,064                   | 6.5              | 2.2   | 10.4                                | 1,806  | 16.3            | 13.5       | 2,713                    | 11.8 |
| Branch   | 333              | 6.9             | 10.2         | 1,658                   | 6.9              | 2.1   | 13.9                                | 790    | 15.9            | 15.8       | 1,136                    | 5.8  |
| Calhoun  | 1,109            | 9.5             | 7.9          | 4,747                   | 7.0              | 2.9   | 12.8                                | 2,237  | 18.2            | 15.8       | 3,191                    | 15.6 |
| Cass   | 438              | 9.4             | 8.7          | 1,891                   | 4.2              | 2.3   | 11.8                                | 908    | 17.7            | 16.1       | 1,304                    | 20.2 |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Page: 12

Run Date: 04/01/2014

**Comparison of Growth and Anemia Indicators by County**  
**Children Aged < 5 Years** (2)

| Comparison of Growth and Anemia Indicators (3) |                  |                 |              |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|-----------------|--------------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |                 |              | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High            |              | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %<br><2500<br>g | %<br>>4000 g | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Charlevoix                                     | 154              | 5.2             | 7.8          | 701                     | 5.6              | 3.3   | 9.1                                 | 333    | 19.8            | 12.6       | 468                      | 12.0 |
| Cheboygan                                      | 122              | 6.6             | 6.6          | 575                     | 4.9              | 1.9   | 11.1                                | 272    | 18.0            | 14.7       | 323                      | 9.9  |
| Chippewa                                       | 237              | 5.9             | 10.5         | 1,109                   | 5.0              | 2.3   | 13.2                                | 520    | 18.3            | 14.8       | 729                      | 8.2  |
| Clare  | 208              | 4.3             | 3.8          | 960                     | 5.0              | 2.9   | 11.1                                | 449    | 16.7            | 15.8       | 664                      | 9.9  |
| Clinton  | 242              | 7.9             | 7.4          | 1,039                   | 5.1              | 4.5   | 10.7                                | 442    | 17.6            | 15.8       | 720                      | 4.4  |
| Crawford                                       | 74               | *               | *            | 350                     | 6.0              | 2.0   | 10.3                                | 174    | 20.7            | 12.1       | 249                      | 18.5 |
| Delta  | 248              | 5.6             | 14.1         | 1,096                   | 7.3              | 0.8   | 12.0                                | 499    | 15.2            | 17.4       | 667                      | 2.8  |
| Dickinson                                      | 154              | 14.9            | 4.5          | 675                     | 5.9              | 0.9   | 9.9                                 | 302    | 16.9            | 13.9       | 459                      | 7.6  |
| Eaton  | 395              | 9.6             | 9.1          | 1,658                   | 5.2              | 2.9   | 11.0                                | 721    | 17.9            | 15.4       | 1,093                    | 5.4  |
| Emmet  | 159              | 6.3             | 9.4          | 817                     | 5.4              | 1.5   | 10.4                                | 354    | 21.2            | 14.1       | 545                      | 7.5  |
| Genesee  | 2,893            | 10.9            | 5.6          | 10,941                  | 6.7              | 3.0   | 10.6                                | 4,400  | 15.4            | 13.4       | 6,864                    | 16.7 |
| Gladwin  | 135              | 2.2             | 6.7          | 711                     | 3.7              | 1.5   | 11.8                                | 382    | 17.0            | 16.2       | 504                      | 9.1  |
| Gogebic  | 75               | *               | *            | 379                     | 3.2              | 2.9   | 15.3                                | 182    | 19.8            | 19.2       | 244                      | 4.1  |
| Gr Travers                                     | 506              | 6.9             | 13.0         | 1,992                   | 4.8              | 5.4   | 9.8                                 | 889    | 18.3            | 13.3       | 1,261                    | 11.6 |

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Growth and Anemia Indicators by County**  
**Children Aged < 5 Years** (2)

Page: 13  
Run Date: 04/01/2014

| Comparison of Growth and Anemia Indicators (3) |                  |                 |              |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|-----------------|--------------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |                 |              | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High            |              | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %<br><2500<br>g | %<br>>4000 g | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Gratiot  | 257              | 5.1             | 8.9          | 1,181                   | 4.9              | 2.1   | 11.9                                | 543    | 14.7            | 16.2       | 799                      | 4.8  |
| Hillsdale                                      | 309              | 6.8             | 9.4          | 1,322                   | 6.4              | 2.7   | 10.1                                | 604    | 16.9            | 11.6       | 889                      | 4.5  |
| Houghton                                       | 191              | 5.2             | 15.2         | 909                     | 5.3              | 1.8   | 8.9                                 | 412    | 19.9            | 10.2       | 556                      | 4.5  |
| Huron  | 169              | 7.7             | 13.6         | 871                     | 6.4              | 2.8   | 14.5                                | 435    | 15.4            | 16.1       | 594                      | 6.7  |
| Ingham   | 1,666            | 10.1            | 7.3          | 7,119                   | 5.6              | 3.1   | 11.2                                | 3,120  | 15.9            | 14.7       | 4,768                    | 11.8 |
| Ionia  | 419              | 9.3             | 8.4          | 1,870                   | 4.3              | 3.2   | 9.5                                 | 870    | 16.2            | 13.2       | 1,287                    | 8.7  |
| Iosco  | 162              | 9.3             | 10.5         | 645                     | 7.1              | 2.5   | 12.4                                | 262    | 14.9            | 16.8       | 414                      | 12.8 |
| Iron   | 65               | *               | *            | 322                     | 6.5              | 2.2   | 12.4                                | 168    | 24.4            | 18.5       | 233                      | 9.0  |
| Isabella                                       | 346              | 6.6             | 8.1          | 1,499                   | 4.4              | 2.7   | 10.1                                | 706    | 20.1            | 15.2       | 1,032                    | 5.5  |
| Jackson  | 1,123            | 10.7            | 6.9          | 4,839                   | 5.0              | 3.6   | 9.8                                 | 2,245  | 17.6            | 14.2       | 3,200                    | 16.3 |
| Kalamazoo                                      | 1,540            | 8.4             | 6.7          | 6,707                   | 5.2              | 3.3   | 11.1                                | 3,196  | 17.3            | 13.6       | 4,603                    | 25.4 |
| Kalkaska                                       | 129              | 9.3             | 8.5          | 517                     | 7.4              | 1.0   | 11.6                                | 241    | 15.4            | 16.6       | 335                      | 13.4 |
| Kent   | 4,461            | 9.2             | 8.2          | 19,884                  | 6.0              | 2.0   | 10.6                                | 9,356  | 17.0            | 13.6       | 13,783                   | 12.9 |
| Lake   | 69               | *               | *            | 304                     | 6.6              | 1.0   | 11.8                                | 164    | 17.1            | 14.6       | 208                      | 15.4 |

(1) Reporting period is January 1 through December 31.

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(3) Excludes records with unknown data or errors.

(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

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**Table 6B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Growth and Anemia Indicators by County**  
**Children Aged < 5 Years** (2)

Page: 14  
Run Date: 04/01/2014

| Comparison of Growth and Anemia Indicators (3) |                  |                 |              |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|-----------------|--------------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |                 |              | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High            |              | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %<br><2500<br>g | %<br>>4000 g | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Lapeer   | 510              | 5.5             | 9.8          | 2,223                   | 5.8              | 2.3   | 11.5                                | 994    | 16.3            | 15.7       | 1,478                    | 9.5  |
| Leelanau                                       | 43               | *               | *            | 245                     | 4.9              | 2.9   | 12.2                                | 135    | 17.8            | 17.0       | 155                      | 21.3 |
| Lenawee  | 548              | 8.2             | 7.3          | 2,197                   | 6.3              | 2.5   | 12.8                                | 919    | 19.9            | 18.0       | 1,190                    | 8.7  |
| Livingston                                     | 488              | 9.0             | 8.8          | 2,028                   | 5.9              | 1.5   | 10.0                                | 831    | 15.9            | 15.0       | 1,340                    | 6.3  |
| Luce   | 49               | *               | *            | 248                     | 4.8              | 3.6   | 10.1                                | 129    | 14.0            | 19.4       | 172                      | 8.1  |
| Mackinac                                       | 32               | *               | *            | 191                     | 6.3              | 1.0   | 16.2                                | 108    | 14.8            | 25.9       | 141                      | 8.5  |
| Macomb   | 3,444            | 9.9             | 6.3          | 13,643                  | 6.5              | 1.5   | 11.9                                | 5,764  | 15.6            | 14.6       | 8,819                    | 16.6 |
| Manistee                                       | 132              | 8.3             | 9.8          | 511                     | 4.9              | 3.5   | 9.4                                 | 240    | 15.0            | 15.4       | 329                      | 14.3 |
| Marquette                                      | 310              | 9.7             | 8.1          | 1,248                   | 6.6              | 3.0   | 11.8                                | 583    | 17.5            | 15.4       | 716                      | 5.2  |
| Mason  | 193              | 7.8             | 5.2          | 778                     | 5.5              | 1.9   | 12.1                                | 376    | 17.8            | 17.6       | 547                      | 21.4 |
| Mecosta  | 271              | 7.0             | 10.7         | 1,190                   | 6.0              | 1.6   | 9.7                                 | 535    | 18.7            | 12.7       | 803                      | 13.8 |
| Menominee                                      | 110              | 11.8            | 8.2          | 482                     | 4.8              | 1.2   | 11.4                                | 226    | 15.0            | 15.5       | 321                      | 5.3  |
| Midland  | 420              | 7.9             | 7.1          | 1,988                   | 4.2              | 1.6   | 11.5                                | 943    | 16.8            | 13.7       | 1,284                    | 11.7 |
| Missaukee                                      | 86               | *               | *            | 347                     | 4.6              | 2.0   | 8.6                                 | 162    | 22.2            | 11.7       | 233                      | 17.2 |

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(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

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\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Growth and Anemia Indicators by County**  
**Children Aged < 5 Years** (2)

Page: 15  
Run Date: 04/01/2014

| Comparison of Growth and Anemia Indicators (3) |                  |                 |              |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|-----------------|--------------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |                 |              | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High            |              | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %<br><2500<br>g | %<br>>4000 g | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Monroe   | 787              | 9.1             | 8.6          | 3,282                   | 6.3              | 2.9   | 9.6                                 | 1,458  | 17.6            | 13.6       | 2,161                    | 8.1  |
| Montcalm                                       | 385              | 9.4             | 7.3          | 1,676                   | 6.7              | 2.0   | 11.3                                | 726    | 16.3            | 13.4       | 1,083                    | 5.1  |
| Montmorenc                                     | 51               | *               | *            | 200                     | 3.5              | 1.5   | 15.0                                | 94     | *               | *          | 119                      | 1.7  |
| Muskegon                                       | 1,572            | 9.5             | 6.0          | 6,740                   | 5.4              | 3.6   | 9.5                                 | 3,174  | 17.9            | 12.9       | 4,495                    | 18.8 |
| Newaygo  | 376              | 10.1            | 7.7          | 1,881                   | 6.5              | 1.6   | 11.7                                | 963    | 19.2            | 13.8       | 1,308                    | 12.5 |
| Oakland  | 4,131            | 10.7            | 7.1          | 17,023                  | 5.7              | 2.8   | 8.9                                 | 7,142  | 15.3            | 12.3       | 10,796                   | 15.6 |
| Oceana   | 210              | 9.5             | 11.0         | 1,078                   | 6.6              | 2.4   | 16.5                                | 561    | 21.4            | 23.5       | 793                      | 17.5 |
| Ogemaw   | 140              | 2.9             | 8.6          | 638                     | 4.4              | 1.6   | 10.2                                | 283    | 23.7            | 14.8       | 431                      | 12.8 |
| Ontonagon                                      | 24               | *               | *            | 133                     | 6.0              | 1.5   | 12.0                                | 71     | *               | *          | 94                       | *    |
| Osceola  | 170              | 8.8             | 12.9         | 759                     | 4.9              | 2.2   | 8.8                                 | 370    | 18.9            | 14.6       | 549                      | 12.6 |
| Oscoda   | 56               | *               | *            | 225                     | 4.4              | 2.2   | 8.9                                 | 101    | 14.9            | 11.9       | 135                      | 11.1 |
| Otsego   | 142              | 5.6             | 9.2          | 834                     | 4.7              | 4.0   | 11.4                                | 395    | 19.2            | 13.9       | 560                      | 11.1 |
| Ottawa   | 456              | 7.0             | 12.7         | 2,327                   | 4.4              | 3.4   | 8.3                                 | 1,100  | 15.8            | 9.4        | 1,593                    | 24.7 |
| Presque Is                                     | 53               | *               | *            | 234                     | 2.1              | 1.7   | 11.1                                | 113    | 21.2            | 18.6       | 135                      | 11.1 |

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Growth and Anemia Indicators by County**  
**Children Aged < 5 Years** (2)

Page: 16  
Run Date: 04/01/2014

| Comparison of Growth and Anemia Indicators (3) |                  |                 |              |                         |                  |       |                                     |         |                 |            |                          |      |
|--|------------------|-----------------|--------------|-------------------------|------------------|-------|-------------------------------------|---------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |                 |              | Height and Weight (5,6) |                  |       |                                     |         |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High            |              | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |         |                 |            |                          |      |
|  | Number           | %<br><2500<br>g | %<br>>4000 g | Number                  | %                | %     | %                                   | Number  | %<br>Overweight | %<br>Obese | Number                   | %    |
| Roscommon                                      | 133              | 7.5             | 12.0         | 596                     | 6.7              | 3.0   | 9.6                                 | 266     | 16.2            | 15.0       | 408                      | 3.9  |
| Saginaw  | 1,550            | 10.4            | 6.6          | 6,569                   | 5.8              | 1.7   | 13.2                                | 3,068   | 17.0            | 15.6       | 4,553                    | 11.9 |
| Sanilac  | 222              | 8.6             | 8.1          | 1,031                   | 4.0              | 2.7   | 9.7                                 | 489     | 19.8            | 14.3       | 726                      | 5.4  |
| Schoolcraf                                     | 56               | *               | *            | 283                     | 1.4              | 11.0  | 5.3                                 | 141     | 8.5             | 5.7        | 189                      | 9.0  |
| Shiawassee                                     | 440              | 7.5             | 9.3          | 1,866                   | 4.3              | 4.3   | 11.1                                | 852     | 15.5            | 16.8       | 1,303                    | 6.2  |
| St Clair                                       | 835              | 9.7             | 6.9          | 3,592                   | 6.0              | 2.0   | 8.7                                 | 1,606   | 15.6            | 13.4       | 2,494                    | 4.3  |
| St Joseph                                      | 508              | 9.4             | 10.2         | 2,335                   | 7.1              | 2.6   | 11.2                                | 1,105   | 16.7            | 14.4       | 1,634                    | 10.5 |
| Tuscola  | 326              | 8.0             | 6.7          | 1,521                   | 6.4              | 1.5   | 9.1                                 | 734     | 14.7            | 12.9       | 1,047                    | 7.3  |
| Van Buren                                      | 613              | 8.5             | 10.3         | 2,783                   | 4.3              | 2.9   | 12.5                                | 1,376   | 17.8            | 16.4       | 1,940                    | 26.9 |
| Washtenaw                                      | 1,263            | 10.1            | 6.4          | 5,471                   | 5.5              | 2.3   | 9.9                                 | 2,436   | 16.6            | 13.8       | 3,718                    | 18.7 |
| Wayne  | 14,950           | 11.3            | 5.1          | 60,197                  | 6.0              | 3.9   | 10.3                                | 26,506  | 15.0            | 12.6       | 38,497                   | 23.1 |
| Wexford  | 300              | 7.7             | 8.7          | 1,393                   | 5.6              | 1.7   | 9.6                                 | 648     | 17.7            | 14.7       | 965                      | 18.7 |
| Michigan                                       | 58,707           | 9.7             | 7.1          | 249,036                 | 5.8              | 2.9   | 10.7                                | 112,234 | 16.4            | 13.8       | 164,326                  | 16.1 |
| Nation (Prior Year)                            | 131,697          | 9.1             | 6.8          | 550,807                 | 6.2              | 2.9   | 10.7                                | 235,427 | 16.6            | 14.6       | 377,330                  | 13.4 |

(1) Reporting period is January 1 through December 31.

(2) Analyses based on one record per child.

(3) Excludes records with unknown data or errors.

(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(5) Infants born during the reporting period included in the analysis.

(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.

(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.

(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.



**Table 7B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Page: 17  
Run Date: 04/01/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** (2)  
**Children Aged < 5 Years** (3)

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4) |                   |                   |        |                                |                             |                                 |        |                                |                              |                               |                      |      |       |      |
|---|-------------------|-------------------|--------|--------------------------------|-----------------------------|---------------------------------|--------|--------------------------------|------------------------------|-------------------------------|----------------------|------|-------|------|
| County  | Breastfeeding (5) |                   |        |                                | Exclusive Breastfeeding (6) |                                 |        |                                | >=2 Hours TV Viewing/Day (7) |                               | Smoking in Household |      |       |      |
|   | Number            | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number                      | % Breatsfeed At Least 12 Months | Number | % Breastfeed At Least 3 Months | Number                       | % Breatfeed At Least 6 Months | Number               | %    |       |      |
| Alcona  | 36                | *                 | 26     | *                              | 25                          | *                               | 20     | *                              | 25                           | *                             | 103                  | 88.3 | 186   | 5.4  |
| Alger   | 37                | *                 | 30     | *                              | 16                          | *                               | 28     | *                              | 29                           | *                             | 98                   | *    | 172   | 7.0  |
| Allegan   | 1,429             | 72.7              | 985    | 22.6                           | 1,136                       | 11.3                            | 574    | 24.4                           | 755                          | 9.7                           | 3,416                | 88.7 | 6,630 | 3.7  |
| Alpena  | 170               | 55.9              | 123    | 19.5                           | 136                         | 12.5                            | 76     | *                              | 85                           | *                             | 388                  | 92.8 | 771   | 4.8  |
| Antrim  | 118               | 76.3              | 104    | 21.2                           | 75                          | *                               | 77     | *                              | 94                           | *                             | 317                  | 88.6 | 579   | 10.7 |
| Arenac  | 86                | *                 | 72     | *                              | 90                          | *                               | 41     | *                              | 53                           | *                             | 249                  | 92.4 | 473   | 7.4  |
| Baraga  | 64                | *                 | 52     | *                              | 43                          | *                               | 36     | *                              | 40                           | *                             | 142                  | 82.4 | 286   | 3.8  |
| Barry   | 320               | 67.2              | 270    | 22.6                           | 212                         | 9.9                             | 162    | 24.1                           | 228                          | 14.9                          | 724                  | 89.8 | 1,414 | 5.0  |
| Bay   | 578               | 51.2              | 493    | 17.0                           | 521                         | 8.1                             | 262    | 20.6                           | 337                          | 4.2                           | 1,413                | 96.1 | 2,773 | 6.5  |
| Benzie  | 80                | *                 | 51     | *                              | 56                          | *                               | 30     | *                              | 38                           | *                             | 218                  | 89.4 | 402   | 6.5  |
| Berrien   | 1,036             | 52.0              | 663    | 16.0                           | 715                         | 9.2                             | 331    | 20.8                           | 432                          | 4.9                           | 2,014                | 79.9 | 4,209 | 6.4  |
| Branch  | 335               | 68.4              | 288    | 19.4                           | 293                         | 13.7                            | 189    | 26.5                           | 242                          | 10.7                          | 881                  | 78.1 | 1,703 | 6.4  |
| Calhoun   | 1,112             | 58.8              | 776    | 13.9                           | 696                         | 8.2                             | 478    | 15.7                           | 524                          | 5.7                           | 2,466                | 88.4 | 4,834 | 4.7  |
| Cass  | 444               | 68.7              | 299    | 24.4                           | 289                         | 13.1                            | 218    | 25.2                           | 251                          | 12.4                          | 1,017                | 90.8 | 1,930 | 3.7  |
| Charlevoix  | 166               | 78.9              | 107    | 29.0                           | 103                         | 15.5                            | 90     | *                              | 91                           | *                             | 365                  | 91.5 | 723   | 7.9  |
| Cheboygan   | 121               | 62.8              | 112    | 25.9                           | 87                          | *                               | 67     | *                              | 79                           | *                             | 298                  | 85.6 | 581   | 5.7  |
| Chippewa  | 238               | 70.2              | 195    | 29.2                           | 184                         | 15.8                            | 113    | 42.5                           | 131                          | 27.5                          | 587                  | 86.5 | 1,156 | 8.1  |
| Clare   | 208               | 62.0              | 178    | 16.3                           | 192                         | 5.7                             | 103    | 18.4                           | 125                          | 4.0                           | 515                  | 93.2 | 993   | 9.8  |

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2012 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Page: 18

Run Date: 04/01/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** <sup>(2)</sup>  
**Children Aged < 5 Years** <sup>(3)</sup>

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household |                      |                   |        |                                |        |                                 |                                |                                |        |                               |                                 |      |                      |      |
|---|----------------------|-------------------|--------|--------------------------------|--------|---------------------------------|--------------------------------|--------------------------------|--------|-------------------------------|---------------------------------|------|----------------------|------|
| County  | Breastfeeding<br>(5) |                   |        |                                |        |                                 | Exclusive Breastfeeding<br>(6) |                                |        |                               | >=2 Hours TV Viewing/Day<br>(7) |      | Smoking in Household |      |
|   | Number               | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number | % Breatsfeed At Least 12 Months | Number                         | % Breastfeed At Least 3 Months | Number | % Breatfeed At Least 6 Months | Number                          | %    | Number               | %    |
| Clinton   | 249                  | 80.7              | 196    | 24.5                           | 181    | 17.1                            | 145                            | 19.3                           | 166    | 7.2                           | 488                             | 87.5 | 1,057                | 3.5  |
| Crawford  | 76                   | *                 | 49     | *                              | 57     | *                               | 25                             | *                              | 40     | *                             | 196                             | 91.3 | 362                  | 5.8  |
| Delta   | 248                  | 69.8              | 197    | 18.3                           | 197    | 9.6                             | 133                            | 15.8                           | 165    | 4.8                           | 564                             | 91.1 | 1,114                | 4.9  |
| Dickinson   | 157                  | 64.3              | 143    | 25.2                           | 126    | 16.7                            | 93                             | *                              | 116    | 9.5                           | 334                             | 93.4 | 697                  | 3.2  |
| Eaton   | 400                  | 73.0              | 315    | 21.3                           | 279    | 9.0                             | 206                            | 21.4                           | 273    | 11.7                          | 807                             | 87.4 | 1,700                | 4.6  |
| Emmet   | 197                  | 79.7              | 143    | 28.7                           | 135    | 14.1                            | 100                            | 38.0                           | 114    | 16.7                          | 394                             | 92.4 | 834                  | 4.9  |
| Genesee   | 2,908                | 54.9              | 2,228  | 11.5                           | 1,699  | 5.7                             | 1,275                          | 11.8                           | 1,611  | 5.0                           | 4,806                           | 78.8 | 11,014               | 6.8  |
| Gladwin   | 135                  | 76.3              | 100    | 22.0                           | 110    | 12.7                            | 65                             | *                              | 79     | *                             | 428                             | 90.7 | 728                  | 14.0 |
| Gogebic   | 75                   | *                 | 63     | *                              | 57     | *                               | 44                             | *                              | 55     | *                             | 203                             | 91.6 | 386                  | 6.7  |
| Gr Travers  | 507                  | 83.2              | 370    | 33.8                           | 399    | 19.8                            | 210                            | 39.0                           | 318    | 15.4                          | 980                             | 92.7 | 2,082                | 3.4  |
| Gratiot   | 258                  | 73.6              | 232    | 25.0                           | 193    | 15.0                            | 156                            | 28.8                           | 183    | 12.0                          | 600                             | 88.8 | 1,210                | 7.2  |
| Hillsdale   | 310                  | 78.1              | 214    | 26.2                           | 202    | 9.9                             | 165                            | 28.5                           | 180    | 19.4                          | 669                             | 88.2 | 1,351                | 7.5  |
| Houghton  | 191                  | 79.6              | 152    | 31.6                           | 129    | 11.6                            | 108                            | 22.2                           | 133    | 9.0                           | 470                             | 97.2 | 929                  | 1.9  |
| Huron   | 168                  | 59.5              | 129    | 16.3                           | 123    | 10.6                            | 76                             | *                              | 86     | *                             | 469                             | 98.1 | 884                  | 5.9  |
| Ingham  | 1,695                | 71.9              | 1,322  | 22.8                           | 1,186  | 12.6                            | 765                            | 15.7                           | 993    | 7.4                           | 3,422                           | 84.0 | 7,204                | 4.5  |
| Ionia   | 422                  | 73.9              | 347    | 19.3                           | 342    | 7.0                             | 229                            | 22.3                           | 255    | 10.6                          | 978                             | 80.1 | 1,920                | 8.7  |
| Iosco   | 167                  | 62.9              | 128    | 21.1                           | 109    | 9.2                             | 93                             | *                              | 113    | 8.0                           | 287                             | 83.3 | 658                  | 6.8  |
| Iron  | 65                   | *                 | 52     | *                              | 49     | *                               | 27                             | *                              | 43     | *                             | 189                             | 85.2 | 336                  | 6.5  |

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Page: 19

Run Date: 04/01/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** (2)  
**Children Aged < 5 Years** (3)

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household |                      |                   |        |                                |        |                                 |                                |                                |        |                               |                                 |      |                      |      |
|---|----------------------|-------------------|--------|--------------------------------|--------|---------------------------------|--------------------------------|--------------------------------|--------|-------------------------------|---------------------------------|------|----------------------|------|
| County  | Breastfeeding<br>(5) |                   |        |                                |        |                                 | Exclusive Breastfeeding<br>(6) |                                |        |                               | >=2 Hours TV Viewing/Day<br>(7) |      | Smoking in Household |      |
|   | Number               | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number | % Breatsfeed At Least 12 Months | Number                         | % Breastfeed At Least 3 Months | Number | % Breatfeed At Least 6 Months | Number                          | %    | Number               | %    |
| Isabella  | 346                  | 77.2              | 274    | 26.3                           | 274    | 13.5                            | 173                            | 30.6                           | 231    | 15.6                          | 775                             | 84.5 | 1,525                | 6.2  |
| Jackson   | 1,131                | 63.6              | 943    | 17.9                           | 833    | 9.4                             | 547                            | 19.6                           | 750    | 8.8                           | 2,515                           | 84.8 | 5,038                | 7.1  |
| Kalamazoo   | 1,553                | 65.8              | 1,058  | 24.5                           | 1,009  | 11.7                            | 728                            | 21.4                           | 816    | 10.8                          | 3,539                           | 77.2 | 6,898                | 5.3  |
| Kalkaska  | 130                  | 80.8              | 73     | *                              | 76     | *                               | 36                             | *                              | 60     | *                             | 264                             | 88.6 | 526                  | 7.6  |
| Kent  | 4,482                | 67.4              | 3,676  | 21.4                           | 3,201  | 10.2                            | 2,247                          | 19.2                           | 2,747  | 11.1                          | 10,365                          | 88.7 | 20,311               | 2.7  |
| Lake  | 69                   | *                 | 47     | *                              | 44     | *                               | 35                             | *                              | 37     | *                             | 182                             | 82.4 | 320                  | 15.9 |
| Lapeer  | 511                  | 67.3              | 396    | 26.3                           | 385    | 10.9                            | 260                            | 18.8                           | 348    | 8.3                           | 1,099                           | 89.8 | 2,263                | 3.9  |
| Leelanau  | 44                   | *                 | 36     | *                              | 36     | *                               | 22                             | *                              | 34     | *                             | 146                             | 95.2 | 254                  | 4.3  |
| Lenawee   | 553                  | 70.3              | 443    | 21.4                           | 399    | 12.8                            | 322                            | 15.8                           | 397    | 7.6                           | 1,015                           | 79.6 | 2,189                | 5.3  |
| Livingston  | 487                  | 73.1              | 388    | 26.0                           | 401    | 13.2                            | 226                            | 26.1                           | 297    | 12.5                          | 935                             | 90.6 | 2,085                | 3.3  |
| Luce  | 49                   | *                 | 52     | *                              | 38     | *                               | 33                             | *                              | 45     | *                             | 144                             | 86.8 | 258                  | 5.0  |
| Mackinac  | 32                   | *                 | 19     | *                              | 30     | *                               | 7                              | *                              | 12     | *                             | 120                             | 85.0 | 198                  | 4.0  |
| Macomb  | 3,490                | 59.6              | 2,240  | 15.9                           | 2,327  | 7.6                             | 1,493                          | 13.1                           | 1,753  | 5.9                           | 6,373                           | 80.5 | 13,867               | 3.2  |
| Manistee  | 133                  | 75.2              | 68     | *                              | 81     | *                               | 58                             | *                              | 47     | *                             | 256                             | 90.2 | 518                  | 6.0  |
| Marquette   | 312                  | 76.6              | 193    | 24.9                           | 220    | 13.6                            | 135                            | 23.0                           | 170    | 11.8                          | 681                             | 89.0 | 1,345                | 3.9  |
| Mason   | 195                  | 74.4              | 127    | 21.3                           | 151    | 10.6                            | 100                            | 19.0                           | 90     | *                             | 436                             | 92.4 | 840                  | 7.0  |
| Mecosta   | 271                  | 73.4              | 188    | 23.4                           | 204    | 12.7                            | 141                            | 31.9                           | 147    | 21.8                          | 584                             | 93.8 | 1,200                | 4.1  |
| Menominee   | 110                  | 57.3              | 73     | *                              | 76     | *                               | 53                             | *                              | 65     | *                             | 248                             | 91.1 | 481                  | 4.6  |

(1) Reporting period is January 1 through December 31.

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(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2012 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Page: 20

Run Date: 04/01/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** <sup>(2)</sup>  
**Children Aged < 5 Years** <sup>(3)</sup>

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household |                      |                   |        |                                |        |                                 |                                |                                |        |                               |                                 |      |                      |      |
|---|----------------------|-------------------|--------|--------------------------------|--------|---------------------------------|--------------------------------|--------------------------------|--------|-------------------------------|---------------------------------|------|----------------------|------|
| County  | Breastfeeding<br>(5) |                   |        |                                |        |                                 | Exclusive Breastfeeding<br>(6) |                                |        |                               | >=2 Hours TV Viewing/Day<br>(7) |      | Smoking in Household |      |
|   | Number               | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number | % Breatsfeed At Least 12 Months | Number                         | % Breastfeed At Least 3 Months | Number | % Breatfeed At Least 6 Months | Number                          | %    | Number               | %    |
| Midland   | 420                  | 80.0              | 339    | 24.5                           | 329    | 11.2                            | 293                            | 25.9                           | 296    | 12.2                          | 1,031                           | 91.6 | 1,996                | 4.2  |
| Missaukee   | 86                   | *                 | 66     | *                              | 53     | *                               | 50                             | *                              | 64     | *                             | 182                             | 86.8 | 357                  | 9.0  |
| Monroe  | 795                  | 65.8              | 623    | 15.2                           | 580    | 7.9                             | 383                            | 14.4                           | 443    | 7.7                           | 1,615                           | 83.6 | 3,361                | 6.5  |
| Montcalm  | 386                  | 74.6              | 275    | 20.0                           | 231    | 7.8                             | 205                            | 26.8                           | 250    | 10.4                          | 805                             | 86.0 | 1,699                | 8.0  |
| Montmorenc  | 51                   | *                 | 29     | *                              | 26     | *                               | 25                             | *                              | 23     | *                             | 105                             | 89.5 | 204                  | 6.9  |
| Muskegon  | 1,580                | 55.6              | 1,066  | 13.5                           | 1,147  | 7.7                             | 723                            | 14.8                           | 757    | 5.7                           | 3,452                           | 86.6 | 6,914                | 7.1  |
| Newaygo   | 378                  | 74.3              | 253    | 25.7                           | 307    | 14.3                            | 175                            | 23.4                           | 215    | 12.1                          | 1,065                           | 88.5 | 1,925                | 7.1  |
| Oakland   | 4,167                | 57.7              | 3,073  | 19.0                           | 2,271  | 10.0                            | 2,269                          | 13.7                           | 2,568  | 7.9                           | 7,854                           | 82.6 | 17,330               | 3.0  |
| Oceana  | 210                  | 74.3              | 153    | 18.3                           | 165    | 15.8                            | 109                            | 8.3                            | 120    | 7.5                           | 643                             | 84.1 | 1,134                | 5.1  |
| Ogemaw  | 142                  | 59.9              | 118    | 22.9                           | 102    | 8.8                             | 87                             | *                              | 103    | 6.8                           | 314                             | 87.6 | 651                  | 6.6  |
| Ontonagon   | 24                   | *                 | 14     | *                              | 25     | *                               | 5                              | *                              | 11     | *                             | 78                              | *    | 133                  | 11.3 |
| Osceola   | 170                  | 77.1              | 111    | 25.2                           | 142    | 11.3                            | 80                             | *                              | 89     | *                             | 407                             | 93.9 | 781                  | 10.0 |
| Oscoda  | 56                   | *                 | 29     | *                              | 28     | *                               | 31                             | *                              | 28     | *                             | 108                             | 85.2 | 224                  | 11.2 |
| Otsego  | 175                  | 70.9              | 166    | 21.1                           | 144    | 15.3                            | 115                            | 21.7                           | 154    | 12.3                          | 425                             | 90.4 | 840                  | 17.5 |
| Ottawa  | 492                  | 78.5              | 361    | 32.7                           | 426    | 16.2                            | 252                            | 32.9                           | 308    | 19.5                          | 1,214                           | 88.8 | 2,372                | 4.1  |
| Presque Is  | 53                   | *                 | 39     | *                              | 33     | *                               | 23                             | *                              | 25     | *                             | 125                             | 81.6 | 239                  | 12.1 |
| Roscommon   | 133                  | 72.9              | 135    | 17.8                           | 121    | 10.7                            | 68                             | *                              | 106    | 12.3                          | 295                             | 90.2 | 613                  | 6.9  |
| Saginaw   | 1,554                | 60.6              | 1,048  | 12.8                           | 938    | 5.4                             | 778                            | 10.9                           | 758    | 4.7                           | 3,402                           | 82.5 | 6,704                | 7.2  |

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**

Page: 21

Run Date: 04/01/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** (2)  
**Children Aged < 5 Years** (3)

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4) |                   |                   |        |                                |        |                                 |                             |                                |        |                               |                              |      |                      |      |
|---|-------------------|-------------------|--------|--------------------------------|--------|---------------------------------|-----------------------------|--------------------------------|--------|-------------------------------|------------------------------|------|----------------------|------|
| County  | Breastfeeding (5) |                   |        |                                |        |                                 | Exclusive Breastfeeding (6) |                                |        |                               | >=2 Hours TV Viewing/Day (7) |      | Smoking in Household |      |
|   | Number            | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number | % Breatsfeed At Least 12 Months | Number                      | % Breastfeed At Least 3 Months | Number | % Breatfeed At Least 6 Months | Number                       | %    | Number               | %    |
| Sanilac   | 222               | 68.0              | 163    | 22.7                           | 151    | 6.0                             | 116                         | 15.5                           | 142    | 8.5                           | 530                          | 88.5 | 1,050                | 6.2  |
| Schoolcraf  | 56                | *                 | 42     | *                              | 38     | *                               | 30                          | *                              | 35     | *                             | 155                          | 85.2 | 285                  | 14.0 |
| Shiawassee  | 442               | 70.8              | 379    | 23.5                           | 359    | 8.1                             | 231                         | 16.9                           | 272    | 4.8                           | 950                          | 95.6 | 1,925                | 6.2  |
| St Clair  | 837               | 56.8              | 702    | 13.7                           | 640    | 7.5                             | 383                         | 16.7                           | 559    | 5.9                           | 1,795                        | 87.6 | 3,652                | 7.7  |
| St Joseph   | 510               | 72.5              | 400    | 22.0                           | 359    | 12.8                            | 290                         | 22.1                           | 334    | 15.0                          | 1,231                        | 91.9 | 2,415                | 4.8  |
| Tuscola   | 329               | 66.9              | 268    | 17.5                           | 235    | 6.4                             | 149                         | 22.1                           | 196    | 7.1                           | 816                          | 89.7 | 1,550                | 5.4  |
| Van Buren   | 618               | 71.8              | 430    | 25.8                           | 423    | 15.8                            | 337                         | 26.4                           | 358    | 12.6                          | 1,519                        | 89.1 | 2,844                | 4.4  |
| Washtenaw   | 1,270             | 78.4              | 1,006  | 31.3                           | 937    | 18.9                            | 710                         | 19.4                           | 859    | 12.5                          | 2,686                        | 84.2 | 5,558                | 4.9  |
| Wayne   | 15,148            | 47.4              | 9,804  | 16.1                           | 8,615  | 6.3                             | 6,733                       | 7.3                            | 7,703  | 4.1                           | 29,444                       | 76.8 | 62,321               | 7.0  |
| Wexford   | 300               | 77.3              | 245    | 20.0                           | 244    | 11.1                            | 175                         | 14.9                           | 228    | 5.3                           | 720                          | 89.2 | 1,424                | 5.8  |
| Michigan  | 59,352            | 60.9              | 42,948 | 19.1                           | 39,324 | 9.5                             | 28,358                      | 16.3                           | 33,631 | 7.9                           | 124,279                      | 83.7 | 255,219              | 5.6  |
| Nation (Prior Year)   | 132,549           | 64.2              | 71,014 | 24.4                           | 76,220 | 11.5                            | 59,502                      | 16.4                           | 68,534 | 8.8                           | 262,129                      | 81.3 | 552,622              | 13.7 |

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(6) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(7) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B  
2010 - 2012 Pediatric Nutrition Surveillance (1)  
Michigan  
Comparison of Growth and Anemia Indicators by County  
Children Aged < 5 Years (2)  
Combined 3 Years

| Comparison of Growth and Anemia Indicators (3) |                  |      |      |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|------|------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |      |      | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High |      | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %    | %    | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Alcona   | 113              | 7.1  | 10.6 | 593                     | 5.4              | 2.9   | 8.3                                 | 293    | 16.7            | 10.6       | 375                      | 13.3 |
| Alger  | 111              | 8.1  | 4.5  | 564                     | 3.0              | 0.5   | 12.8                                | 272    | 17.3            | 17.6       | 337                      | 3.9  |
| Allegan  | 4,255            | 7.4  | 8.2  | 20,146                  | 4.1              | 3.0   | 10.9                                | 9,680  | 16.7            | 14.4       | 13,533                   | 23.9 |
| Alpena   | 544              | 7.9  | 11.4 | 2,401                   | 5.9              | 1.9   | 11.2                                | 1,074  | 14.3            | 16.5       | 1,367                    | 4.0  |
| Antrim   | 350              | 6.3  | 8.3  | 1,800                   | 5.2              | 5.1   | 9.9                                 | 872    | 14.9            | 11.7       | 1,143                    | 7.9  |
| Arenac   | 293              | 8.2  | 11.6 | 1,548                   | 8.2              | 2.1   | 11.8                                | 768    | 17.4            | 14.8       | 993                      | 8.3  |
| Baraga   | 159              | 11.3 | 7.5  | 737                     | 6.8              | 3.1   | 12.5                                | 336    | 19.6            | 15.5       | 397                      | 12.6 |
| Barry  | 928              | 8.3  | 8.4  | 4,299                   | 4.7              | 3.3   | 9.1                                 | 2,069  | 16.1            | 11.7       | 2,883                    | 5.8  |
| Bay  | 1,870            | 9.1  | 9.3  | 8,539                   | 6.6              | 1.8   | 10.1                                | 3,812  | 16.9            | 14.5       | 5,343                    | 10.6 |
| Benzie   | 256              | 9.4  | 9.0  | 1,314                   | 5.6              | 5.6   | 13.1                                | 642    | 18.8            | 16.2       | 806                      | 6.0  |
| Berrien  | 3,172            | 9.7  | 7.6  | 12,826                  | 6.4              | 1.9   | 10.8                                | 5,563  | 16.7            | 14.5       | 8,394                    | 10.6 |
| Branch   | 1,049            | 7.1  | 9.2  | 5,215                   | 6.8              | 2.1   | 13.6                                | 2,500  | 16.9            | 15.1       | 3,462                    | 4.8  |
| Calhoun  | 3,209            | 8.6  | 7.9  | 14,170                  | 6.5              | 2.8   | 13.1                                | 6,575  | 18.3            | 16.3       | 9,411                    | 16.4 |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 6B**  
**2010 - 2012 Pediatric Nutrition Surveillance** (1)  
**Michigan**  
**Comparison of Growth and Anemia Indicators by County**  
**Children Aged < 5 Years** (2)  
**Combined 3 Years**

| Comparison of Growth and Anemia Indicators (3) |                  |      |      |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|------|------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |      |      | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High |      | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %    | %    | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Cass   | 1,225            | 8.4  | 8.2  | 6,008                   | 4.8              | 2.9   | 11.7                                | 2,912  | 16.7            | 15.2       | 4,073                    | 28.3 |
| Charlevoix                                     | 437              | 5.5  | 8.0  | 2,016                   | 5.6              | 3.8   | 9.4                                 | 932    | 18.6            | 13.1       | 1,224                    | 8.1  |
| Cheboygan                                      | 380              | 5.5  | 5.8  | 1,821                   | 4.8              | 2.3   | 11.7                                | 852    | 15.5            | 15.4       | 1,036                    | 11.2 |
| Chippewa                                       | 758              | 5.0  | 12.0 | 3,500                   | 5.1              | 2.8   | 12.8                                | 1,572  | 17.4            | 15.6       | 2,155                    | 6.1  |
| Clare  | 667              | 6.6  | 5.7  | 3,021                   | 5.9              | 2.7   | 11.0                                | 1,384  | 15.5            | 15.7       | 1,991                    | 11.2 |
| Clinton  | 694              | 8.4  | 7.8  | 3,118                   | 5.7              | 4.0   | 11.1                                | 1,335  | 16.1            | 15.1       | 2,087                    | 4.4  |
| Crawford                                       | 221              | 6.8  | 6.3  | 1,015                   | 5.1              | 2.1   | 9.1                                 | 473    | 19.9            | 12.7       | 656                      | 13.1 |
| Delta  | 703              | 7.0  | 11.2 | 3,333                   | 6.8              | 1.2   | 12.5                                | 1,497  | 16.1            | 17.2       | 1,926                    | 3.3  |
| Dickinson                                      | 470              | 9.8  | 6.4  | 2,041                   | 5.6              | 1.3   | 10.1                                | 932    | 16.7            | 14.5       | 1,254                    | 7.1  |
| Eaton  | 1,202            | 7.1  | 7.9  | 5,151                   | 5.3              | 3.1   | 11.0                                | 2,242  | 18.9            | 15.9       | 3,251                    | 5.7  |
| Emmet  | 528              | 7.4  | 9.8  | 2,597                   | 5.4              | 2.0   | 11.9                                | 1,138  | 18.9            | 15.1       | 1,594                    | 6.9  |
| Genesee  | 8,613            | 11.0 | 5.2  | 33,595                  | 6.7              | 3.3   | 10.7                                | 13,335 | 15.4            | 13.4       | 19,508                   | 17.9 |
| Gladwin  | 434              | 6.7  | 8.8  | 2,229                   | 5.1              | 1.7   | 11.3                                | 1,101  | 18.5            | 15.4       | 1,501                    | 10.4 |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B  
2010 - 2012 Pediatric Nutrition Surveillance (1)  
Michigan  
Comparison of Growth and Anemia Indicators by County  
Children Aged < 5 Years (2)  
Combined 3 Years

| Comparison of Growth and Anemia Indicators (3) |                  |      |      |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|------|------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |      |      | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High |      | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %    | %    | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Gogebic  | 275              | 5.1  | 7.6  | 1,285                   | 4.5              | 2.2   | 13.1                                | 605    | 21.0            | 19.0       | 728                      | 4.9  |
| Gr Travers                                     | 1,585            | 8.1  | 10.7 | 6,183                   | 5.1              | 6.4   | 9.7                                 | 2,738  | 17.8            | 12.9       | 3,534                    | 12.3 |
| Gratiot  | 740              | 6.8  | 7.3  | 3,672                   | 6.0              | 2.3   | 11.7                                | 1,656  | 13.8            | 15.8       | 2,366                    | 5.4  |
| Hillsdale                                      | 915              | 7.8  | 9.3  | 4,147                   | 6.3              | 2.0   | 9.9                                 | 1,918  | 16.5            | 13.3       | 2,767                    | 3.1  |
| Houghton                                       | 598              | 6.5  | 10.7 | 2,831                   | 6.0              | 1.6   | 8.2                                 | 1,289  | 15.4            | 10.0       | 1,535                    | 6.2  |
| Huron  | 592              | 9.6  | 11.5 | 2,704                   | 6.6              | 3.7   | 13.1                                | 1,214  | 14.9            | 15.8       | 1,730                    | 9.0  |
| Ingham   | 5,140            | 8.7  | 7.9  | 21,627                  | 5.4              | 3.4   | 11.2                                | 9,422  | 16.7            | 14.5       | 14,088                   | 11.6 |
| Ionia  | 1,256            | 7.6  | 7.2  | 5,555                   | 4.9              | 3.6   | 9.2                                 | 2,530  | 20.8            | 12.6       | 3,757                    | 8.5  |
| Iosco  | 476              | 6.7  | 12.2 | 1,927                   | 7.5              | 3.5   | 12.7                                | 801    | 17.2            | 16.9       | 1,133                    | 13.1 |
| Iron   | 201              | 7.5  | 4.0  | 1,030                   | 6.4              | 2.0   | 12.8                                | 501    | 24.6            | 18.0       | 691                      | 7.5  |
| Isabella                                       | 1,074            | 7.5  | 7.2  | 4,758                   | 5.9              | 2.5   | 10.6                                | 2,139  | 18.8            | 16.0       | 3,157                    | 6.7  |
| Jackson  | 2,324            | 9.6  | 8.0  | 9,903                   | 4.7              | 4.4   | 9.7                                 | 4,600  | 17.4            | 14.4       | 5,532                    | 14.4 |
| Kalamazoo                                      | 5,316            | 9.3  | 7.3  | 23,495                  | 4.9              | 4.1   | 10.7                                | 10,803 | 17.5            | 14.2       | 15,243                   | 25.1 |

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(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.



Table 6B  
2010 - 2012 Pediatric Nutrition Surveillance (1)  
Michigan  
Comparison of Growth and Anemia Indicators by County  
Children Aged < 5 Years (2)

Combined 3 Years

| Comparison of Growth and Anemia Indicators (3) |                  |      |      |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|------|------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |      |      | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High |      | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %    | %    | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Kalkaska                                       | 307              | 8.8  | 7.8  | 1,411                   | 7.5              | 1.6   | 11.0                                | 657    | 17.2            | 16.7       | 864                      | 11.8 |
| Kent   | 12,958           | 8.9  | 7.9  | 59,777                  | 6.2              | 2.0   | 11.1                                | 28,152 | 16.8            | 14.6       | 40,182                   | 13.5 |
| Lake   | 294              | 9.2  | 7.8  | 1,573                   | 5.8              | 1.7   | 10.6                                | 772    | 20.3            | 13.5       | 1,069                    | 15.8 |
| Lapeer   | 1,390            | 7.2  | 8.6  | 6,194                   | 5.7              | 2.5   | 11.5                                | 2,780  | 17.8            | 16.7       | 4,069                    | 9.6  |
| Leelanau                                       | 153              | 5.2  | 13.7 | 804                     | 4.6              | 2.6   | 12.8                                | 408    | 20.8            | 14.5       | 519                      | 16.2 |
| Lenawee  | 1,067            | 8.2  | 6.7  | 4,459                   | 5.8              | 2.6   | 12.0                                | 1,824  | 18.8            | 16.5       | 2,327                    | 7.7  |
| Livingston                                     | 1,600            | 7.3  | 8.1  | 6,279                   | 5.4              | 2.2   | 10.2                                | 2,574  | 18.1            | 15.2       | 3,757                    | 6.4  |
| Luce   | 158              | 11.4 | 10.1 | 769                     | 4.6              | 4.0   | 10.9                                | 365    | 16.4            | 18.9       | 495                      | 10.7 |
| Mackinac                                       | 112              | 8.0  | 7.1  | 637                     | 5.5              | 1.4   | 14.0                                | 332    | 22.3            | 22.6       | 396                      | 8.8  |
| Macomb   | 10,113           | 9.9  | 6.4  | 38,684                  | 6.1              | 2.2   | 11.4                                | 15,486 | 15.4            | 13.9       | 23,783                   | 14.6 |
| Manistee                                       | 701              | 6.8  | 7.7  | 3,146                   | 6.2              | 1.8   | 10.6                                | 1,415  | 19.2            | 15.9       | 2,073                    | 10.6 |
| Marquette                                      | 1,784            | 9.0  | 6.8  | 7,220                   | 6.3              | 2.4   | 11.5                                | 3,069  | 17.5            | 16.2       | 4,239                    | 9.1  |
| Mason  | 484              | 7.4  | 8.1  | 2,193                   | 5.6              | 2.1   | 11.9                                | 1,010  | 20.0            | 17.6       | 1,386                    | 18.6 |

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(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B  
2010 - 2012 Pediatric Nutrition Surveillance (1)  
Michigan  
Comparison of Growth and Anemia Indicators by County  
Children Aged < 5 Years (2)  
Combined 3 Years

| Comparison of Growth and Anemia Indicators (3) |                  |      |      |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|------|------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |      |      | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High |      | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %    | %    | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Mecosta  | 676              | 7.4  | 10.2 | 3,196                   | 5.2              | 2.0   | 10.4                                | 1,434  | 19.5            | 14.3       | 2,009                    | 13.1 |
| Menominee                                      | 326              | 7.4  | 8.6  | 1,433                   | 5.1              | 1.5   | 11.9                                | 652    | 17.0            | 15.6       | 864                      | 5.6  |
| Midland  | 865              | 8.0  | 8.2  | 3,941                   | 6.3              | 1.9   | 13.3                                | 1,782  | 16.8            | 14.1       | 2,138                    | 10.3 |
| Missaukee                                      | 354              | 7.3  | 11.0 | 1,602                   | 4.8              | 1.8   | 11.0                                | 795    | 19.4            | 13.8       | 1,054                    | 14.0 |
| Monroe   | 2,814            | 9.3  | 8.1  | 11,916                  | 6.8              | 2.1   | 10.8                                | 5,058  | 17.1            | 14.4       | 7,675                    | 8.2  |
| Montcalm                                       | 1,197            | 7.5  | 7.0  | 5,289                   | 6.7              | 2.0   | 11.4                                | 2,280  | 16.8            | 15.6       | 3,416                    | 5.9  |
| Montmorenc                                     | 142              | 6.3  | 7.0  | 661                     | 4.1              | 1.5   | 14.4                                | 325    | 16.9            | 20.9       | 372                      | 1.3  |
| Muskegon                                       | 4,870            | 9.3  | 6.2  | 20,859                  | 4.8              | 3.9   | 9.6                                 | 9,735  | 17.3            | 12.7       | 13,711                   | 20.2 |
| Newaygo  | 1,429            | 9.7  | 8.5  | 7,145                   | 6.7              | 1.9   | 12.5                                | 3,376  | 18.1            | 15.7       | 4,533                    | 13.7 |
| Oakland  | 12,965           | 10.3 | 6.5  | 52,276                  | 6.2              | 2.8   | 8.9                                 | 21,179 | 15.1            | 12.8       | 31,552                   | 15.7 |
| Oceana   | 517              | 9.1  | 9.9  | 2,589                   | 6.3              | 2.8   | 14.4                                | 1,318  | 21.5            | 20.8       | 1,679                    | 16.1 |
| Ogemaw   | 426              | 5.6  | 8.2  | 1,914                   | 5.9              | 2.1   | 12.7                                | 843    | 20.6            | 17.1       | 1,181                    | 11.5 |
| Ontonagon                                      | 75               | *    | *    | 418                     | 7.2              | 1.4   | 12.4                                | 224    | 25.0            | 14.3       | 249                      | 2.8  |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B  
2010 - 2012 Pediatric Nutrition Surveillance (1)  
Michigan  
Comparison of Growth and Anemia Indicators by County  
Children Aged < 5 Years (2)  
Combined 3 Years

| Comparison of Growth and Anemia Indicators (3) |                  |      |      |                         |                  |       |                                     |        |                 |            |                          |      |
|--|------------------|------|------|-------------------------|------------------|-------|-------------------------------------|--------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |      |      | Height and Weight (5,6) |                  |       |                                     |        |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High |      | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |        |                 |            |                          |      |
|  | Number           | %    | %    | Number                  | %                | %     | %                                   | Number | %<br>Overweight | %<br>Obese | Number                   | %    |
| Osceola  | 483              | 7.0  | 11.6 | 2,336                   | 4.6              | 1.7   | 9.5                                 | 1,134  | 18.8            | 14.7       | 1,638                    | 15.9 |
| Oscoda   | 144              | 4.2  | 7.6  | 638                     | 4.9              | 2.5   | 9.1                                 | 273    | 16.1            | 11.4       | 373                      | 7.5  |
| Otsego   | 530              | 8.9  | 7.9  | 2,610                   | 4.6              | 3.2   | 10.9                                | 1,179  | 17.6            | 13.7       | 1,604                    | 8.7  |
| Ottawa   | 1,483            | 7.7  | 11.0 | 7,407                   | 4.7              | 3.2   | 9.4                                 | 3,619  | 16.2            | 10.4       | 4,921                    | 25.4 |
| Presque Is                                     | 145              | 9.7  | 9.0  | 709                     | 3.4              | 2.5   | 11.1                                | 339    | 16.8            | 16.8       | 393                      | 10.4 |
| Roscommon                                      | 407              | 7.1  | 9.3  | 1,757                   | 7.1              | 2.5   | 9.4                                 | 768    | 16.1            | 14.6       | 1,145                    | 3.4  |
| Saginaw  | 4,539            | 10.6 | 7.2  | 19,891                  | 5.3              | 2.6   | 12.8                                | 9,112  | 17.1            | 15.8       | 12,794                   | 12.1 |
| Sanilac  | 490              | 6.9  | 6.3  | 2,191                   | 4.1              | 3.5   | 7.5                                 | 967    | 15.7            | 11.4       | 1,382                    | 5.4  |
| Schoolcraf                                     | 169              | 7.1  | 8.9  | 841                     | 2.0              | 9.9   | 5.2                                 | 396    | 9.6             | 6.1        | 535                      | 8.4  |
| Shiawassee                                     | 1,502            | 7.6  | 6.9  | 6,538                   | 4.2              | 4.8   | 10.3                                | 2,975  | 17.1            | 16.0       | 4,401                    | 4.7  |
| St Clair                                       | 2,718            | 8.6  | 6.8  | 11,599                  | 6.4              | 2.1   | 8.4                                 | 4,996  | 15.6            | 13.1       | 7,166                    | 6.0  |
| St Joseph                                      | 1,577            | 8.4  | 9.2  | 7,173                   | 7.5              | 3.3   | 11.8                                | 3,375  | 18.4            | 15.0       | 4,869                    | 11.1 |
| Tuscola  | 1,505            | 7.4  | 7.4  | 6,800                   | 5.9              | 2.1   | 9.0                                 | 3,091  | 15.2            | 12.6       | 4,386                    | 8.5  |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Table 6B  
2010 - 2012 Pediatric Nutrition Surveillance (1)  
Michigan  
Comparison of Growth and Anemia Indicators by County  
Children Aged < 5 Years (2)

Combined 3 Years

| Comparison of Growth and Anemia Indicators (3) |                  |      |     |                         |                  |       |                                     |         |                 |            |                          |      |
|--|------------------|------|-----|-------------------------|------------------|-------|-------------------------------------|---------|-----------------|------------|--------------------------|------|
| County   | Birth Weight (4) |      |     | Height and Weight (5,6) |                  |       |                                     |         |                 |            | Anemia<br>Low Hb/Hct (7) |      |
|  | Low              | High |     | Short<br>Stature        | Under-<br>Weight | Obese | >= 2 Yrs<br>Overweight and<br>obese |         |                 |            |                          |      |
|  | Number           | %    | %   | Number                  | %                | %     | %                                   | Number  | %<br>Overweight | %<br>Obese | Number                   | %    |
| Van Buren                                      | 1,796            | 7.7  | 9.2 | 8,682                   | 4.6              | 2.9   | 13.1                                | 4,281   | 18.0            | 15.7       | 6,000                    | 23.5 |
| Washtenaw                                      | 4,151            | 9.9  | 6.0 | 17,065                  | 5.8              | 2.5   | 10.1                                | 7,210   | 16.4            | 13.8       | 11,035                   | 19.8 |
| Wayne  | 44,557           | 11.3 | 5.3 | 177,681                 | 6.2              | 3.9   | 10.4                                | 73,666  | 15.1            | 12.7       | 109,750                  | 22.5 |
| Wexford  | 728              | 7.3  | 9.2 | 3,352                   | 5.5              | 1.5   | 9.6                                 | 1,535   | 16.9            | 15.2       | 2,071                    | 17.9 |
| Michigan                                       | 177,968          | 9.5  | 7.0 | 757,067                 | 5.9              | 3.0   | 10.7                                | 331,475 | 16.4            | 14.0       | 477,486                  | 15.9 |

(1) Reporting period is January 1 through December 31.  
(2) Analyses based on one record per child.  
(3) Excludes records with unknown data or errors.  
(4) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.  
(5) Infants born during the reporting period included in the analysis.  
(6) Based on 2006 WHO growth chart percentiles for children under 2 years of age; short stature is defined as length-for-age <= 2.3rd percentile, underweight is defined as weight-for-length <= 2.3rd percentile, and high weight-for-length (labeled as "Obese") is defined as >= 97.7th percentile.  
(7) Based on 2000 CDC growth chart percentiles for children 2 years of age and older; short stature is defined as height-for-age < 5th percentile, underweight is defined as BMI-for-age < 5th percentile, overweight is defined as BMI-for-age >= 85th to < 95th percentile, and obesity is defined as >= 95th percentile.  
(8) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.  
\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2010 - 2012 Pediatric Nutrition Surveillance** (1)

Page: 29

Run Date: 04/02/2014

**Michigan**  
**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** (2)  
**Children Aged < 5 Years** (3)  
**Combined 3 Years**

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household |                      |                   |        |                                |        |                                 |                                |                                |        |                                 |        |                      |        |      |
|---|----------------------|-------------------|--------|--------------------------------|--------|---------------------------------|--------------------------------|--------------------------------|--------|---------------------------------|--------|----------------------|--------|------|
| County  | Breastfeeding<br>(5) |                   |        |                                |        |                                 | Exclusive Breastfeeding<br>(6) |                                |        | >=2 Hours TV Viewing/Day<br>(7) |        | Smoking in Household |        |      |
|   | Number               | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number | % Breatsfeed At Least 12 Months | Number                         | % Breastfeed At Least 3 Months | Number | % Breatfeed At Least 6 Months   | Number | %                    | Number | %    |
| Alcona  | 118                  | 71.2              | 85     | *                              | 82     | *                               | 64                             | *                              | 82     | *                               | 320    | 86.3                 | 599    | 7.0  |
| Alger   | 111                  | 66.7              | 92     | *                              | 65     | *                               | 70                             | *                              | 88     | *                               | 303    | 87.5                 | 571    | 6.8  |
| Allegan   | 4,391                | 71.1              | 3,049  | 25.0                           | 3,178  | 11.0                            | 2,069                          | 21.4                           | 2,627  | 8.4                             | 10,617 | 87.2                 | 20,472 | 4.0  |
| Alpena  | 544                  | 52.8              | 399    | 18.5                           | 404    | 11.6                            | 291                            | 24.4                           | 355    | 10.4                            | 1,218  | 91.7                 | 2,428  | 5.6  |
| Antrim  | 369                  | 79.9              | 300    | 24.7                           | 272    | 12.9                            | 202                            | 28.7                           | 278    | 9.7                             | 979    | 87.9                 | 1,825  | 10.0 |
| Arenac  | 293                  | 59.0              | 222    | 16.7                           | 245    | 3.7                             | 149                            | 18.1                           | 187    | 5.9                             | 864    | 87.8                 | 1,570  | 10.5 |
| Baraga  | 159                  | 64.8              | 119    | 16.8                           | 109    | 8.3                             | 82                             | *                              | 100    | 9.0                             | 386    | 85.2                 | 750    | 4.1  |
| Barry   | 932                  | 66.2              | 786    | 20.2                           | 682    | 8.9                             | 518                            | 22.0                           | 718    | 11.4                            | 2,304  | 88.4                 | 4,417  | 4.9  |
| Bay   | 1,887                | 56.5              | 1,445  | 15.1                           | 1,443  | 6.7                             | 1,055                          | 15.2                           | 1,262  | 4.0                             | 4,331  | 93.9                 | 8,652  | 7.3  |
| Benzie  | 257                  | 70.8              | 177    | 26.0                           | 185    | 11.9                            | 123                            | 22.8                           | 157    | 11.5                            | 719    | 89.6                 | 1,343  | 4.5  |
| Berrien   | 3,183                | 50.1              | 2,033  | 16.6                           | 2,087  | 9.0                             | 1,384                          | 14.7                           | 1,762  | 5.6                             | 6,296  | 77.3                 | 13,132 | 8.2  |
| Branch  | 1,056                | 61.6              | 840    | 20.0                           | 769    | 11.6                            | 603                            | 19.4                           | 772    | 10.1                            | 2,765  | 82.2                 | 5,303  | 7.3  |
| Calhoun   | 3,224                | 56.2              | 2,273  | 14.3                           | 2,088  | 6.8                             | 1,646                          | 11.0                           | 1,926  | 4.5                             | 7,271  | 89.2                 | 14,398 | 5.0  |
| Cass  | 1,264                | 67.2              | 967    | 22.3                           | 907    | 12.5                            | 709                            | 17.6                           | 857    | 9.9                             | 3,250  | 87.1                 | 6,098  | 5.5  |
| Charlevoix  | 461                  | 77.7              | 319    | 32.0                           | 293    | 15.4                            | 267                            | 37.8                           | 295    | 13.9                            | 1,071  | 89.5                 | 2,072  | 6.0  |
| Cheboygan   | 379                  | 64.9              | 302    | 20.9                           | 269    | 10.0                            | 213                            | 26.3                           | 260    | 7.7                             | 965    | 85.4                 | 1,845  | 7.5  |
| Chippewa  | 757                  | 67.9              | 567    | 28.7                           | 503    | 14.1                            | 427                            | 33.3                           | 476    | 20.2                            | 1,784  | 86.8                 | 3,571  | 7.7  |

(1) Reporting period is January 1 through December 31.

(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(8) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2010 - 2012 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Page: 30

Run Date: 04/02/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** <sup>(2)</sup>  
**Children Aged < 5 Years** <sup>(3)</sup>  
**Combined 3 Years**

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household (4) |                   |                   |        |                                |        |                                 |                             |                                |        |                               |                              |      |                      |      |
|---|-------------------|-------------------|--------|--------------------------------|--------|---------------------------------|-----------------------------|--------------------------------|--------|-------------------------------|------------------------------|------|----------------------|------|
| County  | Breastfeeding (5) |                   |        |                                |        |                                 | Exclusive Breastfeeding (6) |                                |        |                               | >=2 Hours TV Viewing/Day (7) |      | Smoking in Household |      |
|   | Number            | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number | % Breatsfeed At Least 12 Months | Number                      | % Breastfeed At Least 3 Months | Number | % Breatfeed At Least 6 Months | Number                       | %    | Number               | %    |
| Clare   | 668               | 59.0              | 491    | 16.7                           | 535    | 7.7                             | 357                         | 14.0                           | 430    | 3.5                           | 1,584                        | 89.6 | 3,076                | 12.5 |
| Clinton   | 703               | 77.4              | 587    | 23.9                           | 489    | 14.9                            | 451                         | 21.5                           | 540    | 7.8                           | 1,506                        | 86.8 | 3,158                | 4.1  |
| Crawford  | 224               | 75.0              | 148    | 20.9                           | 157    | 8.3                             | 106                         | 19.8                           | 138    | 9.4                           | 551                          | 86.9 | 1,039                | 9.7  |
| Delta   | 703               | 67.1              | 574    | 19.7                           | 533    | 9.0                             | 417                         | 17.0                           | 526    | 6.5                           | 1,739                        | 92.3 | 3,366                | 5.9  |
| Dickinson   | 474               | 65.2              | 378    | 24.3                           | 329    | 13.1                            | 265                         | 26.8                           | 344    | 9.9                           | 1,044                        | 89.5 | 2,082                | 4.4  |
| Eaton   | 1,213             | 72.0              | 957    | 21.1                           | 863    | 9.5                             | 664                         | 19.3                           | 872    | 10.1                          | 2,498                        | 87.0 | 5,241                | 4.6  |
| Emmet   | 597               | 79.6              | 453    | 33.3                           | 376    | 17.0                            | 332                         | 33.4                           | 399    | 14.8                          | 1,301                        | 91.6 | 2,643                | 5.6  |
| Genesee   | 8,637             | 50.9              | 6,718  | 12.1                           | 4,979  | 5.5                             | 4,828                       | 9.3                            | 5,912  | 4.0                           | 14,897                       | 78.6 | 33,981               | 6.8  |
| Gladwin   | 435               | 69.4              | 331    | 24.5                           | 353    | 11.9                            | 224                         | 25.0                           | 296    | 13.9                          | 1,270                        | 89.8 | 2,266                | 14.9 |
| Gogebic   | 275               | 62.5              | 216    | 22.2                           | 156    | 9.0                             | 156                         | 19.9                           | 201    | 10.9                          | 685                          | 89.3 | 1,303                | 7.1  |
| Gr Travers  | 1,586             | 81.4              | 1,036  | 37.5                           | 1,030  | 18.3                            | 662                         | 35.5                           | 941    | 14.9                          | 3,076                        | 91.8 | 6,400                | 3.3  |
| Gratiot   | 766               | 69.3              | 646    | 23.2                           | 526    | 11.8                            | 468                         | 22.6                           | 581    | 11.0                          | 1,915                        | 88.8 | 3,743                | 7.6  |
| Hillsdale   | 922               | 72.5              | 655    | 23.8                           | 571    | 10.9                            | 522                         | 22.2                           | 593    | 13.3                          | 2,128                        | 89.9 | 4,201                | 6.8  |
| Houghton  | 598               | 79.8              | 449    | 33.6                           | 393    | 16.3                            | 341                         | 19.9                           | 418    | 10.8                          | 1,476                        | 95.6 | 2,870                | 1.2  |
| Huron   | 592               | 55.6              | 426    | 16.4                           | 388    | 8.2                             | 323                         | 18.6                           | 378    | 5.3                           | 1,358                        | 95.4 | 2,742                | 6.1  |
| Ingham  | 5,195             | 68.4              | 3,843  | 20.8                           | 3,377  | 11.3                            | 2,627                       | 12.0                           | 3,357  | 5.8                           | 10,393                       | 81.6 | 21,888               | 5.2  |
| Ionia   | 1,261             | 68.3              | 965    | 18.8                           | 939    | 9.6                             | 704                         | 19.3                           | 842    | 10.8                          | 2,893                        | 88.3 | 5,662                | 7.3  |

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(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(8) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2010 - 2012 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Page: 31

Run Date: 04/02/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** <sup>(2)</sup>  
**Children Aged < 5 Years** <sup>(3)</sup>  
**Combined 3 Years**

| <b>Comparison of Breastfeeding, TV Viewing, and Smoking in Household</b> <sup>(4)</sup> |                              |                   |        |                                |  |                                 |        |                                |   |                               |                      |      |
|---|------------------------------|-------------------|--------|--------------------------------|--|---------------------------------|--------|--------------------------------|---|-------------------------------|----------------------|------|
| County  | Breastfeeding <sup>(5)</sup> |                   |        |                                | Exclusive Breastfeeding <sup>(6)</sup> |                                 |        |                                | >=2 Hours TV Viewing/Day <sup>(7)</sup> |                               | Smoking in Household |      |
|   | Number                       | % Ever Breastfeed | Number | % Breastfeed At Least 6 Months | Number                                 | % Breatsfeed At Least 12 Months | Number | % Breastfeed At Least 3 Months | Number                                  | % Breatfeed At Least 6 Months | Number               | %    |
| Iosco   | 494                          | 66.4              | 360    | 17.2                           | 296                                    | 8.1                             | 267    | 18.7                           | 331                                     | 6.0                           | 903                  | 84.7 |
| Iron  | 201                          | 62.7              | 150    | 18.0                           | 144                                    | 13.9                            | 104    | 26.0                           | 136                                     | 9.6                           | 581                  | 88.1 |
| Isabella  | 1,074                        | 73.4              | 835    | 24.3                           | 814                                    | 11.9                            | 587    | 22.8                           | 760                                     | 11.3                          | 2,416                | 85.4 |
| Jackson   | 2,335                        | 60.6              | 1,764  | 16.2                           | 1,478                                  | 8.5                             | 1,122  | 16.0                           | 1,542                                   | 6.8                           | 5,079                | 84.4 |
| Kalamazoo   | 5,381                        | 63.6              | 4,037  | 21.1                           | 3,581                                  | 10.8                            | 2,987  | 17.3                           | 3,628                                   | 8.4                           | 12,133               | 78.0 |
| Kalkaska  | 309                          | 77.3              | 210    | 29.5                           | 208                                    | 13.9                            | 113    | 22.1                           | 192                                     | 12.0                          | 739                  | 88.9 |
| Kent  | 13,040                       | 65.0              | 10,238 | 21.3                           | 8,840                                  | 10.6                            | 7,279  | 15.4                           | 8,850                                   | 8.9                           | 31,315               | 85.9 |
| Lake  | 297                          | 64.0              | 239    | 20.5                           | 236                                    | 9.3                             | 187    | 15.0                           | 223                                     | 11.2                          | 881                  | 83.9 |
| Lapeer  | 1,390                        | 68.1              | 1,057  | 22.5                           | 966                                    | 10.8                            | 767    | 13.7                           | 989                                     | 6.4                           | 3,155                | 87.9 |
| Leelanau  | 153                          | 83.7              | 114    | 41.2                           | 116                                    | 24.1                            | 80     | *                              | 107                                     | 17.8                          | 454                  | 87.4 |
| Lenawee   | 1,095                        | 68.8              | 845    | 22.5                           | 728                                    | 10.9                            | 592    | 16.2                           | 771                                     | 7.4                           | 2,068                | 77.6 |
| Livingston  | 1,608                        | 69.9              | 1,107  | 23.1                           | 1,007                                  | 11.5                            | 827    | 18.6                           | 984                                     | 9.8                           | 2,943                | 84.3 |
| Luce  | 156                          | 67.9              | 125    | 24.0                           | 120                                    | 10.8                            | 87     | *                              | 113                                     | 9.7                           | 406                  | 86.0 |
| Mackinac  | 112                          | 72.3              | 78     | *                              | 92                                     | *                               | 42     | *                              | 71                                      | *                             | 385                  | 84.2 |
| Macomb  | 10,170                       | 57.0              | 6,812  | 15.5                           | 6,507                                  | 7.4                             | 5,194  | 10.4                           | 6,092                                   | 5.4                           | 17,578               | 80.9 |
| Manistee  | 703                          | 70.4              | 537    | 22.3                           | 517                                    | 8.7                             | 446    | 22.9                           | 507                                     | 8.7                           | 1,625                | 92.1 |
| Marquette   | 1,796                        | 69.4              | 1,283  | 23.4                           | 1,293                                  | 11.4                            | 1,048  | 17.7                           | 1,197                                   | 8.4                           | 3,535                | 87.0 |

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(2) TV Viewing and Smoking in Household data are not reported by all contributors.

(3) Analyses based on one record per child.

(4) Excludes records with unknown data or errors.

(5) Rank compares this clinic's rate to other clinics. Rank 1 = best rate.

(6) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

(7) The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

(8) Children aged 2 years and older included in the analyses.

\* Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

**Table 7B**  
**2010 - 2012 Pediatric Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Page: 32

Run Date: 04/02/2014

**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** <sup>(2)</sup>  
**Children Aged < 5 Years** <sup>(3)</sup>  
**Combined 3 Years**

| Comparison of Breastfeeding, TV Viewing, and Smoking in Household |                      |                         |        |   |        |  |                                |   |        |  |                                    |      | (4)                     |      |
|---|----------------------|-------------------------|--------|---|--------|--|--------------------------------|---|--------|--|------------------------------------|------|-------------------------|------|
| County  | Breastfeeding<br>(5) |                         |        |   |        |  | Exclusive Breastfeeding<br>(6) |   |        |  | >=2 Hours TV<br>Viewing/Day<br>(7) |      | Smoking in<br>Household |      |
|   | Number               | %<br>Ever<br>Breastfeed | Number | %<br>Breastfeed<br>At<br>Least<br>6<br>Months | Number | %<br>Breastfeed<br>At<br>Least<br>12<br>Months | Number                         | %<br>Breastfeed<br>At<br>Least<br>3<br>Months | Number | %<br>Breatfeed<br>At<br>Least<br>6<br>Months | Number                             | %    | Number                  | %    |
| Mason   | 487                  | 70.6                    | 348    | 21.3  | 366    | 11.5   | 274                            | 19.7  | 304    | 5.9  | 1,183                              | 90.2 | 2,293                   | 7.5  |
| Mecosta   | 677                  | 69.0                    | 530    | 21.9  | 546    | 10.4   | 414                            | 22.9  | 481    | 14.1   | 1,633                              | 89.7 | 3,253                   | 6.8  |
| Menominee   | 326                  | 62.0                    | 228    | 15.4  | 214    | 9.3  | 183                            | 17.5  | 214    | 5.1  | 730                                | 88.8 | 1,429                   | 6.0  |
| Midland   | 864                  | 74.1                    | 607    | 27.0  | 591    | 10.3   | 501                            | 25.5  | 554    | 12.6   | 2,029                              | 89.1 | 3,970                   | 4.5  |
| Missaukee   | 355                  | 78.9                    | 230    | 21.7  | 235    | 14.9   | 174                            | 10.9  | 217    | 4.6  | 894                                | 81.5 | 1,632                   | 8.1  |
| Monroe  | 2,825                | 64.7                    | 2,241  | 17.5  | 1,970  | 8.1  | 1,674                          | 16.5  | 1,999  | 7.3  | 5,763                              | 84.0 | 12,051                  | 6.7  |
| Montcalm  | 1,196                | 70.9                    | 871    | 20.2  | 739    | 8.7  | 677                            | 19.4  | 820    | 9.1  | 2,617                              | 87.6 | 5,360                   | 8.1  |
| Montmorenc  | 142                  | 67.6                    | 96     | *   | 92     | *  | 79                             | *   | 88     | *  | 377                                | 84.1 | 676                     | 8.0  |
| Muskegon  | 4,884                | 53.5                    | 3,159  | 15.2  | 3,163  | 6.8  | 2,470                          | 13.9  | 2,744  | 5.3  | 10,689                             | 85.7 | 21,259                  | 7.3  |
| Newaygo   | 1,439                | 72.1                    | 1,130  | 25.9  | 1,076  | 15.4   | 833                            | 18.8  | 1,025  | 11.1   | 3,845                              | 86.6 | 7,266                   | 5.3  |
| Oakland   | 13,103               | 55.5                    | 9,470  | 19.3  | 7,274  | 9.5  | 7,653                          | 11.9  | 8,741  | 6.4  | 23,908                             | 81.6 | 53,142                  | 3.8  |
| Oceana  | 518                  | 68.9                    | 359    | 22.3  | 345    | 15.9   | 264                            | 11.7  | 319    | 7.2  | 1,512                              | 82.1 | 2,689                   | 7.4  |
| Ogemaw  | 433                  | 61.0                    | 341    | 18.2  | 297    | 7.7  | 254                            | 17.7  | 315    | 7.0  | 964                                | 84.4 | 1,938                   | 10.4 |
| Ontonagon   | 75                   | *                       | 45     | *   | 56     | *  | 30                             | *   | 42     | *  | 253                                | 86.6 | 424                     | 11.1 |
| Osceola   | 482                  | 69.1                    | 343    | 21.6  | 392    | 10.5   | 256                            | 22.3  | 311    | 10.6   | 1,275                              | 92.8 | 2,385                   | 13.4 |
| Oscoda  | 146                  | 63.0                    | 101    | 15.8  | 95     | *  | 81                             | *   | 97     | *  | 307                                | 79.2 | 638                     | 15.5 |
| Otsego  | 583                  | 72.6                    | 449    | 27.8  | 405    | 12.1   | 324                            | 27.5  | 412    | 13.8   | 1,323                              | 90.2 | 2,633                   | 14.4 |

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**Table 7B**  
**2010 - 2012 Pediatric Nutrition Surveillance** <sup>(1)</sup>

Page: 33

Run Date: 04/02/2014

**Michigan**  
**Comparison of Breastfeeding, TV Viewing, and Smoking in Household by County** <sup>(2)</sup>  
**Children Aged < 5 Years** <sup>(3)</sup>  
**Combined 3 Years**

| <b>Comparison of Breastfeeding, TV Viewing, and Smoking in Household</b> <sup>(4)</sup> |                              |                   |         |                                |  |                                 |        |                                |   |                               |                      |      |
|---|------------------------------|-------------------|---------|--------------------------------|--|---------------------------------|--------|--------------------------------|---|-------------------------------|----------------------|------|
| County  | Breastfeeding <sup>(5)</sup> |                   |         |                                | Exclusive Breastfeeding <sup>(6)</sup> |                                 |        |                                | >=2 Hours TV Viewing/Day <sup>(7)</sup> |                               | Smoking in Household |      |
|   | Number                       | % Ever Breastfeed | Number  | % Breastfeed At Least 6 Months | Number                                 | % Breatsfeed At Least 12 Months | Number | % Breastfeed At Least 3 Months | Number                                  | % Breatfeed At Least 6 Months | Number               | %    |
| Ottawa  | 1,553                        | 75.8              | 1,093   | 32.6                           | 1,173                                  | 15.6                            | 806    | 28.9                           | 998                                     | 16.0                          | 3,966                | 90.4 |
| Presque Is  | 145                          | 49.0              | 100     | 17.0                           | 112                                    | 10.7                            | 78     | *                              | 86                                      | *                             | 381                  | 82.7 |
| Roscommon   | 407                          | 72.7              | 329     | 20.1                           | 299                                    | 10.7                            | 214    | 20.1                           | 292                                     | 10.6                          | 889                  | 90.3 |
| Saginaw   | 4,548                        | 53.7              | 3,035   | 13.7                           | 2,767                                  | 4.5                             | 2,347  | 9.5                            | 2,579                                   | 4.7                           | 10,352               | 81.7 |
| Sanilac   | 490                          | 63.7              | 347     | 21.0                           | 293                                    | 6.1                             | 229    | 16.6                           | 318                                     | 7.5                           | 1,083                | 85.9 |
| Schoolcraf  | 169                          | 59.8              | 127     | 16.5                           | 107                                    | 10.3                            | 101    | 16.8                           | 119                                     | 7.6                           | 450                  | 86.7 |
| Shiawassee  | 1,506                        | 66.6              | 1,208   | 21.4                           | 1,053                                  | 9.3                             | 895    | 14.1                           | 1,052                                   | 3.6                           | 3,348                | 91.1 |
| St Clair  | 2,718                        | 56.4              | 2,187   | 13.9                           | 1,894                                  | 6.5                             | 1,466  | 12.6                           | 1,964                                   | 5.0                           | 5,722                | 86.8 |
| St Joseph   | 1,590                        | 67.0              | 1,176   | 21.9                           | 1,035                                  | 10.6                            | 897    | 16.8                           | 1,075                                   | 12.3                          | 3,782                | 87.7 |
| Tuscola   | 1,512                        | 60.8              | 1,177   | 17.2                           | 1,033                                  | 7.7                             | 875    | 14.9                           | 1,070                                   | 5.7                           | 3,523                | 89.4 |
| Van Buren   | 1,825                        | 71.1              | 1,309   | 24.4                           | 1,323                                  | 13.2                            | 1,029  | 22.6                           | 1,162                                   | 10.0                          | 4,715                | 88.1 |
| Washtenaw   | 4,179                        | 71.7              | 3,117   | 32.2                           | 2,738                                  | 18.0                            | 2,386  | 19.6                           | 2,867                                   | 12.9                          | 8,148                | 83.9 |
| Wayne   | 45,260                       | 47.0              | 30,805  | 14.8                           | 26,153                                 | 6.1                             | 23,756 | 5.9                            | 27,808                                  | 3.1                           | 83,701               | 74.5 |
| Wexford   | 727                          | 76.2              | 538     | 19.1                           | 500                                    | 9.0                             | 382    | 17.3                           | 516                                     | 5.8                           | 1,758                | 88.3 |
| Michigan  | 179,867                      | 58.8              | 129,914 | 18.8                           | 114,932                                | 9.0                             | 96,818 | 13.5                           | 116,216                                 | 6.6                           | 373,467              | 82.6 |

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